SUPPLEMENTAL
ENVIRONMENTAL STUDIES

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

NYSDEC Spills #0070043 & #0070044

Prepared for:	The City of Rochester 30 Church Street Rochester, New York 14614
Prepared by:	Day Environmental, Inc. 2144 Brighton-Henrietta Town Line Road Rochester, New York 14623
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1.0 INTRODUCTION

Day Environmental, Inc. (DAY) prepared this report summarizing the findings of Supplemental Environmental Studies conducted at 14-60 Charlotte Street, City of Rochester, County of Monroe, New York (Site). Studies were also performed on portions of the adjoining right-of-ways of Charlotte Street and Haags Alley. The location of the Site is shown on Figure 1 (Project Locus Map) and Figure 2 (Site Plan) that are included in Appendix A.

The Site is currently improved with a two-story residential dwelling on the parcel addressed as 26 Charlotte Street and an approximately 1,800-square foot one-story commercial concrete block garage located on the parcel addressed as 42 Charlotte Street. The City of Rochester is the current owner of the Site and is planning to redevelop the Site for residential and/or commercial usage. Under the current City of Rochester plans, the existing residential dwelling and commercial building are to be demolished. Proposed construction plans are currently not available; however, it is anticipated that residential redevelopment on at least part of the Site may consist of construction of a townhouse complex with no basements.

DAY previously completed various environmental studies at the Site and in the right-of-ways of Haags Alley and Charlotte Street. These studies that are summarized in a report prepared by DAY titled "Supplemental Phase II Environmental Studies" dated November 2000. This report identified and documented the existence of soil and groundwater contamination at the Site. In April 2000, the City of Rochester notified the New York State Department of Environmental Conservation (NYSDEC) of the preliminary field findings of the environmental studies that were being performed on the Site. The NYSDEC subsequently assigned active spill number NYSDEC Spill #0070043 to the parcels addressed as 26-60 Charlotte Street. A separate active spill number NYSDEC Spill #0070044 was assigned to the parcel addressed as 14-16 Charlotte Street.

This report summarizes the additional environmental studies conducted subsequent to the field studies that are described in DAY's Supplemental Phase II Environmental report dated November 2000. The additional studies presented herein were conducted at the Site and in portions of the right-of-ways of Haags Alley and Charlotte Street that adjoin the Site in an attempt to further define the type and extent of contamination at the Site and evaluate whether the contamination appeared attributable to former uses of the Site, or due to potential off-site sources. In addition, the studies were performed to gather further information that would be used to devise a corrective action plan (CAP) for the Site that takes into consideration the City of Rochester's current plans to redevelop the Site for residential use (i.e., townhouses with no basements).

2.0 FIELDWORK AND ANALYTICAL TESTING

The fieldwork completed during these supplemental environmental studies included advancing test borings, installing two additional overburden/bedrock interface groundwater monitoring wells, observing, screening and testing soil and groundwater samples in the field, testing soil and groundwater samples at an analytical laboratory, and monitoring groundwater elevations from the 14 monitoring wells currently installed at or in proximity to the Site to evaluate groundwater flow conditions in December 2000. The test borings were advanced primarily to assist in delineation of on-site sources of soil contamination potentially requiring removal. The wells were installed primarily to assist in evaluating potential off-site sources of contamination that may have the potential to migrate onto the Site and also to assist in evaluating groundwater flow conditions at, and in proximity to, the Site. These tasks and the associated findings are discussed below.

2.1 Soil Evaluation

In order to further evaluate the extent of contaminated soil, 19 test borings (designated as TB-31 through TB-49) were advanced through overburden soils at the Site between October 31, 2000 and November 2, 2000 using a truck-mounted drill-rig outfitted with Geoprobe System soil sampling equipment. Figure 3 in Appendix A illustrates the locations of these test borings in relation to previously advanced test borings and groundwater monitoring wells. Two of these test borings (TB-31 and TB-32) were advanced through the pavement in the right-of-way of Haags Alley located north of the Site. One test boring (TB-36) was advanced through the concrete-paved sidewalk in the right-of-way of Charlotte Street south of the southwest corner of the Site. The remaining test borings were advanced at exterior locations of the Site. The test borings described above were sampled continuously and advanced through overburden to depths ranging between approximately 8.8 feet and 11.9 feet below the ground surface, which are the depths where equipment refusal was encountered (i.e., inferred top of bedrock). This work was performed to further define the volume of contaminated soil in the saturated zone and unsaturated zone that exceeds regulatory cleanup criteria and potentially requires remediation.

A DAY representative observed the soil samples collected from the test borings for evidence of contamination (e.g., staining, odors, etc.) and portions of the soil samples were screened using a photoionization detector (PID). Other portions of the Geoprobe soil samples were placed in containers for possible analytical laboratory testing. DAY prepared a log for each test boring (included in Appendix C) describing subsurface conditions encountered, and summarizing PID measurements and presenting other pertinent information. Upon completion, the test borings were backfilled with soil cuttings.

Analytical Laboratory Testing

Selected soil samples collected during this study were delivered under chain-of-custody control to Paradigm Environmental Services, Inc. (Paradigm), which is a New York State Department of Health (NYSDOH) ELAP-certified analytical laboratory. Nine (9) soil samples were submitted for analytical laboratory testing. Copies of Paradigm's test results are included in Appendix E. The specific locations, depth intervals, and test parameters for

soil samples are illustrated on Table 1 (Soil Analytical Program) included in Appendix B, and the samples are further summarized as follows:

- Nine (9) samples were tested for United States Environmental Protection Agency (USEPA) target compound list (TCL) and NYSDEC Spill Technology and Remediation Series (STARS)-list volatile organic compounds (VOCs) using USEPA Method 8260.

- Four (4) samples were tested for NYSDEC STARS-list base/neutral semi-volatile organic compounds (SVOCs) using USEPA Method 8270.

- Nine (9) samples were tested for total petroleum hydrocarbons (TPH) using NYSDOH Method 310.13.

2.2 Groundwater Evaluation

As part of the studies conducted, two of the test borings (TB-31 and TB-36) were advanced into bedrock using rotary drilling techniques and converted into overburden/bedrock interface groundwater monitoring wells (designated as MW-13 and MW-14, respectively). Well MW-13 is located in the right-of-way of Haags Alley immediately south of 17-19 Richmond Street (property with historic auto painting operations as referenced in Sanborn maps). Well MW-14 is located in the right-of-way of Charlotte Street near the southeast portion of the 14-16 Charlotte Street parcel. The location of new wells MW-13 and MW-14 in relation to previously installed wells and test borings is shown on Figure 3 included in Appendix A.

Subsequent to use of Geoprobe System soil sampling equipment at these locations, 4.25-inch inner diameter (ID) hollow-stem augers were advanced to refusal (i.e., inferred top of bedrock) using conventional rotary drilling techniques. Approximately 5.0 feet of bedrock was then cored at each well location using HQ-size equipment as indicated on the well logs included in Appendix D.

Following the completion of the boring at the two well locations, a monitoring well was constructed within each boring. Each well consists of a pre-cleaned approximate 8-foot to 10-foot long, two-inch ID, threaded, flush-jointed, No. 10 slot, schedule 40 polyvinyl chloride (PVC) screen attached to flush-coupled riser casing of the same material. The well screens were installed to intercept the top of the water table, and the screened section was placed to straddle the overburden/bedrock interface. The well installations include washed and graded sand packs surrounding the screens and extending about 1.0 to 1.5 feet above the top of the well screen. The annulus beneath well MW-14 contains natural sediments and rock fragments that inadvertently collapsed into the bottom of the boring prior to installing the PVC screen and riser. Bentonite seals were placed above the sand packs and the remaining annuluses were filled with cement/bentonite grout. The top of each PVC riser was equipped with a locking cap, and specially-bolted steel protective curb boxes were placed over the wells and sealed in place with concrete.

A DAY representative recorded pertinent information for the overburden/bedrock interface wells in a field log whereupon portions of the information were subsequently transcribed onto well logs, which are included in Appendix C. In addition, a licensed surveyor measured the elevations of wells MW-13 and MW-14 in relation to an assumed Site datum of 100.00 feet (i.e., the same datum used for the previously installed wells MW-1 through MW-12).

Monitoring Well Development

Monitoring wells MW-13 and MW-14 were developed by DAY on November 9 and 10, 2000 to remove some of the drill water utilized during advancement of the test borings, remove drill cuttings generated, and to the extent possible to restore natural hydraulic properties at the well locations. Well development was performed utilizing a centrifugal pump with dedicated tubing. During this development, approximately 110 gallons of water was removed from Well MW-13 and approximately 36 gallons of water was removed from Well MW-14 [Note: slow recharge rates were encountered in monitoring well MW-14 in relation to other overburden/bedrock interface wells at this Site]. No fluids were added to the wells during development, and well development equipment was decontaminated prior to development of the well. Water quality readings (i.e., pH, conductance, and temperature) were collected before, during and after development. Copies of well development logs for these wells are included in Appendix D.

Monitoring Well Measurements and Sampling

Between December 6, 7, 8 & 11, 2000, a Heron oil/water interface meter (Model HOIL) was used to measure static water levels in the twelve existing wells (MW-1 through MW-12) and the two new perimeter wells (MW-13 and MW-14). The static water level data was used to establish groundwater elevations based upon the surveyed elevation at each well and develop a potentiometric map. In addition, the Heron oil/water interface meter was used at the fourteen well locations to measure for the presence of light non-aqueous phase liquid (LNAPL). The well work was conducted over a four day period due to snow cover that inhibited locating some of the wells and parked vehicles at the Site that inhibited access to some of the wells.

Between December 6, 7, 8 & 11, 2000, wells MW-1, MW-4 through MW-7, and MW-10 through MW-14 were purged by removing more than three well casing volumes of groundwater, and a groundwater sample was subsequently collected from each well for laboratory analysis (designated as samples 2412-01 [MW-1], 2412-04 [MW-4] through 2412-07 [MW-7], and 2412-10 [MW-10] through 2412-14 [MW-14]). Copies of well sampling logs are included in Appendix D. The groundwater samples were analyzed by Paradigm for TPH using NYSDOH Method 310.13; and for USEPA TCL and NYSDEC STARS-list VOCs using USEPA Method 8260. A copy of Paradigm's test results is included in Appendix E.

2.3 Decontamination Procedures and Study-Derived Wastes

Drilling, development and sampling equipment used during these environmental studies were decontaminated prior to being used at each location. This decontamination included steam cleaning or implementing the following procedures: 1) rough wash in tap water; 2) wash in mixture of tap water and alconox soap; 3) double rinse with distilled or deionized water; and 4) air dry and/or dry with clean paper towel. Decontamination was conducted as a quality control measure to preclude cross-contamination between sample intervals at and between test locations.

Drill cuttings, decontamination water, well development and sampling purge water, etc. generated during these environmental studies were placed in New York State Department of Transportation (NYSDOT)-approved 55-gallon drums. These drums were labeled and are staged on-site until a proper disposal method can be determined.

3.0 FINDINGS

The findings of the supplemental environmental studies are summarized in this section of the report and include field observations, a discussion on the development and interpretation of a groundwater potentiometric map, the analytical laboratory test results compared to available regulatory criteria, and an evaluation of cumulative TPH data.

3.1 Field Observations

The test boring logs and well logs included in Appendix D summarize subsurface conditions, PID measurements, etc. encountered in each test boring/monitoring well during their advancement. This information is further summarized as follows:

- Fill material was encountered beginning at the ground surface in each of the 19 test borings. The fill generally consisted of sand, gravel and silt with lesser amounts of clay, brick, ash, cobbles, asphalt, metal, coal, rock fragments, cinders, and organics (wood and roots). The fill material in these 19 test borings extended from the ground surface to depths ranging between approximately 1.0 feet (TB-31, TB-37, TB-39 and TB-46) and 9.5 feet (TB-40) below the ground surface. Based on the observation of overburden samples from the 19 test borings, the average thickness of the fill material at the test boring locations is approximately 3.5 feet. The type of fill material encountered during this study was similar to that encountered during previous studies conducted at the Site.

- Soils beneath the fill material generally consisted of silty sand or silty sand and gravel, with lesser amounts of clay and rock fragments. The amount of rock fragments generally was observed to increase with depth near equipment refusal (i.e., inferred top of bedrock). The thickness of soil observed ranged between approximately 1.3 feet (TB-40) and 9.5 feet (TB-31). Based on the observation of soil samples from the 19 test borings, the average thickness of the overburden soil at the test boring locations is approximately 6.6 feet.

- The inferred top of bedrock was encountered at depths ranging between 8.8 feet ad 11.9 feet. The bedrock cored at overburden/bedrock interface wells MW-13 and MW-14 consisted of gray Lockport Dolomite. Rock quality designation (RQD) values for the bedrock cored at well locations MW-13 and MW-14 were calculated to be 73.8% and 50%, respectively. These RQD values are indicative of moderately to significantly fractured bedrock, and the bedrock also appeared moderately weathered.

- The apparent groundwater table was encountered in overburden soils (i.e., as evidenced by wet soil samples) in 12 of the 19 test borings at an average depth of approximately 9.1 feet below ground surface. In December 2000, the top of the water table at the 14 monitoring wells was measured at depths ranging between 7.35 feet and 10.50 feet at an average depth of 8.34 feet. Based upon the data obtained, the top of the water table appears to be located near the overburden/bedrock interface and seasonally the water table may fluctuate between the overburden and bedrock at some locations at the Site.

- Field evidence of suspect contaminated soil (i.e., based upon PID readings greater than 5.0 parts per million [ppm] and observations including odors, staining, etc.) was detected on soil

samples from 9 of the 19 test borings (i.e., TB-31 through TB-34, TB-37 through TB-39, TB-41, and TB-48) that were at seven on-site locations and two off-site locations in Haags Alley. The apparent on-site and off-site areas of impact are discussed below.

On-Site Locations

- Peak PID readings at on-site locations ranged between 28.6 ppm (TB-33) and 492 ppm (TB-48).

- The suspect contamination was typically observed in the soils immediately above the inferred top of bedrock or groundwater table, or in soils within the groundwater (i.e., at test borings TB-34, TB-37, TB-38, TB-39, TB-41 and TB-48). The occurrence of the contamination in proximity to the groundwater suggests that the contamination encountered at these locations has migrated via groundwater and that the potential source is not necessarily located at these locations.

- Suspect contaminated soil with PID readings ranging between 7.7 ppm and 28.6 ppm was also encountered in a shallower unsaturated soil sample from test boring TB-33 between 0.0' and 4.0'. Between 4.0' and 8.0', PID readings at TB-33 decreased to concentrations ranging between 1.3 ppm and 2.8 ppm. Between 8.0 feet and 9.0 feet (i.e., at or near the top of the water table), PID readings at TB-33 increased to concentrations ranging between 13.4 ppm and 19.9 ppm. Based on the distribution of PID readings recorded in relation to depth and the apparent lack of contamination extending into the groundwater, the near surface impacted soil does not appear to be a source of the impacted deepest soils in the saturated zone located nearest to the inferred top of bedrock.

Off-Site Locations

- Peak PID readings at these locations in Haags Alley ranged between 795 ppm (TB-31) and 813 ppm (TB-32 in Haags Alley).

- At location TB-31, the suspect contamination was first observed in unsaturated soils at a depth of approximately 3.0' and continued into the saturated soils at the bottom of the overburden and into the top of fractured bedrock (i.e., depth of 10.5 feet). The occurrence of the contamination in the unsaturated soils suggests that this location may be in close proximity to a potential source of the contamination.

- At location TB-32, the suspect contamination was first observed in saturated soils at a depth of approximately 8.0'. The occurrence of the contamination in proximity to the groundwater suggests that the contamination encountered at this location has migrated via groundwater and that the potential source is not necessarily located at this location.

- Apparent residual LNAPL was observed in saturated soil samples retrieved from test borings TB-31 and TB-32 at depths ranging between approximately 8.0 and 10.0 feet below the ground surface.

3.2 Potentiometric Map

The well elevations, static water levels, thickness of measured free product in the wells and calculated groundwater elevations measured on December 6, 7, 8 and 11, 2000 are presented on Table 7 included in Appendix B. Note that approximately 2.07 feet of floating free petroleum product, or LNAPL, was measured in well MW-7 using the Heron oil/water interface probe on December 6, 2000. A copy of the potentiometric map (Figure 4) is included in Appendix A. [Note: The potentiometric map was adjusted to account for the LNAPL measured in MW-7]. As shown, groundwater for December 6, 7, 8 and 11, 2000 appears to generally flow toward the east/southeast.

3.3 Analytical Laboratory Test Results

Copies of analytical laboratory test results for the soil and groundwater samples are included in Appendix E. Tables 1 through 6 (included in Appendix B) summarize the test results for detected constituents. The tables also include a comparison of the test results to available regulatory criteria (e.g., groundwater standards, soil guidance values). The test results for the samples are further discussed as follows:

Soil Samples

- As shown on Table 2 included in Appendix B, various weights (i.e., light, medium, and heavy) of TPH were detected in soil samples collected from the Site and Haags Alley. The analytical laboratory identified the detected TPH in one or more of the samples as diesel, lube oil and mineral spirits. [Note: Based upon discussions with representatives of the analytical laboratory, it was determined that TPH identified as "mineral spirits" could be "Stoddard solvent" (i.e., these chemicals are used for paint thinning, and as a dry cleaning solvent) since they are comprised of similar weight constituents that appear similar on the analytical laboratory chromatograms.] The total concentrations of TPH detected in the soil samples ranged between 75 mg/Kg or ppm (at TB-41) and 805 mg/Kg or ppm (at MW-34). The NYSDEC's Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels (TAGM 4046) dated January 24, 1994 indicates that the soil cleanup objective for total VOCs is 10 ppm and for total SVOCs is 500 ppm. Since TPH is comprised primarily of VOCs and/or SVOCs, the measured concentrations appear to exceed these soil cleanup objectives. Also, although regulatory agencies in New York State have no specific cleanup criteria for TPH in soil, the NYSDEC and Monroe County Department of Health (MCDOH) in the Rochester, New York area have used a TPH cleanup value of 500 ppm for similar redevelopment projects. As such, the TPH test results for at least two of the soil samples (i.e., Sample 2412-06 from TB-34 @ 8.0' and Sample 2412-09 from TB-48 @ 10.0') indicate that regulatory agencies will likely require the remediation of TPH at the Site.

- As shown on Table 3 included in Appendix B, VOCs were detected above reported laboratory detection limits in 4 of the 9 soil samples tested. The VOCs detected (e.g., n-propylbenzene; 1,2,4-trimethylbenzene; sec-butylbenzene; etc.) are typically associated with petroleum or hydrocarbon-based products. Total VOC concentrations detected in the four soil samples ranged between 145 ug/Kg or parts per billion (ppb) (TB-34) and 15,870 ug/Kg or ppb (MW-13). As identified on Table 3, the VOCs in four soil samples (one each from

test borings TB-34 and TB-48 on the Site, and two from different depths at well MW-13 in the right-of-way of Haags Alley) were detected at concentrations above toxicity characteristic leaching procedure (TCLP) alternative soil guidance values (i.e., cleanup values) as referenced in the August 1992 NYSDEC Spill Technology and Remediation Series, STARS Memo #1, Petroleum-Contaminated Soil Guidance Policy (STARS Memo #1).

- Soil samples from locations MW-13, TB-32, TB-33 and TB-41 were analyzed for NYSDEC STARS-list SVOCs. SVOCs were not detected above reported analytical laboratory detection limits.

Groundwater Samples

- As shown on Table 5, light weight and medium weight TPH identified as gasoline and diesel, respectively was detected in 4 of the 10 groundwater samples tested (i.e., groundwater samples from wells MW-6, MW-7, MW-12 and MW-13) at estimated or actual concentrations ranging between 220 ug/kg or ppb (MW-12) and 160,000 ug/kg or ppb (MW-7). There are no NYSDEC cleanup criteria for TPH in groundwater.

- As shown on Table 6, TCL and STARS-list VOCs were detected above analytical laboratory detection limits in 7 of the 10 groundwater samples tested (i.e., groundwater samples from wells MW-1, MW-5, MW-6, MW-7, MW-12, MW-13, and MW-14). The VOCs detected in the groundwater samples were typically associated with petroleum and/or hydrocarbon-based products (i.e., VOCs such as benzene, ethylbenzene, trimethylbenzenes, etc.). Some chlorinated VOCs (e.g., tetrachloroethene, vinyl chloride, methylene chloride, etc.) were also detected in the groundwater samples from MW-1, MW-6, MW-12 and MW-13. Total VOC concentrations detected in the groundwater samples ranged between 15.6 ug/L or ppb (MW-1) and 5,368.2 ug/L or ppb (MW-6). The concentrations of one or more VOCs detected in groundwater samples from wells MW-1, MW-5, MW-6, MW-7, MW-12, MW-13 and MW-14 exceeded their respective groundwater standards or guidance values as referenced in the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 document titled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (TOGS 1.1.1) dated June 1998. In addition, LNAPL was encountered in well MW-7 on December 6, 2000. [Note: Only the VOC chloroform was detected in the groundwater sample from well MW-14. The chloroform may be attributable to the chlorine present in drilling water that was lost at this well location and could not readily be removed during well development or purging within the timeframe and budget of this project.].

3.4 Evaluation of Cumulative TPH Data

In an effort to assess the types and locations of contamination at and adjoining the Site, an evaluation of cumulative TPH test results for soil and groundwater samples collected from the Site and the right-of-ways of Charlotte Street and Haags Alley was conducted as part of these supplemental environmental studies.

Soil Samples

TPH testing was conducted on a total of 25 soil samples collected during the studies conducted to date. Five of the soil samples were collected from unsaturated soils above the observed water table, and the remaining 20 soil samples were collected from saturated soils below the top of the water table. The TPH test results for soil samples are shown on Figure 5 included in Appendix A. Figure 5A included in Appendix A illustrates the mineral spirits TPH soil sample test results as a colored 2-dimensional diagram (i.e., contour map) as developed using the Stratos98 software program. The cumulative TPH test results for soil samples are summarized below:

- Ten soil samples from locations on the northern portion of the Site and the right-of-way of Haags Alley contained mineral spirits, which could also be considered to be paint thinner or Stoddard solvent. Some of these samples also contained lube oil or diesel. The mineral spirits were typically encountered in saturated soils below the observed top of water table. Mineral spirits were also detected in an unsaturated soil sample from a depth of 3.5 feet at well location MW-13 located in the right-of-way of Haags Alley. Observations of potential residual LNAPL were apparent on soil samples collected from the saturated zone in test borings B-2 and MW-13 located in the right-of-way of Haags Alley.

- Ten soil samples from locations on the southwestern and south central portion of the Site contained kerosene, diesel and/or lube oil. These types of TPH were encountered in saturated and unsaturated soil samples. Also, one shallow unsaturated soil sample collected approximately 1.5 feet beneath the floor of the building at TB-16 on the 42 Charlotte Street parcel contained diesel and lube oil. Evidence of free LNAPL was only observed at well MW-7.

- As shown on Figure 5A, mineral spirits TPH was detected in soil samples from locations in Haags Alley and along the northern portion of the Site. The highest concentrations of mineral spirits TPH were detected at test boring B-2 in Haags Alley. This location is in proximity to an adjoining parcel (addressed as 17 Richmond Street) that was historically used for auto painting operations.

Groundwater Samples

TPH testing was conducted on groundwater samples from wells MW-1 through MW-14. [Note: TPH was tested on two occasions for samples collected from 12 of the 14 wells.] The TPH test results for groundwater samples are shown on Figure 6 included in Appendix A. Figure 6A included in Appendix A illustrates the mineral spirits TPH groundwater sample test results as a colored 2-dimensional diagram (i.e., contour map) as developed using the Stratos98 software program. The cumulative TPH test results for groundwater samples are summarized below:

- TPH was not detected above reported analytical laboratory detection limits in groundwater samples from wells MW-1, MW-4, MW-5, MW-9, MW-10, and MW-14.

- Groundwater samples from three on-site wells (MW-3, MW-8 and MW-11) contained mineral spirits, which could also be considered to be paint thinner or Stoddard solvent. These three wells are located on the central and eastern portions of the Site. These wells appear to be in seasonally hydraulic downgradient positions from locations in the right-of-way of Haags Alley where elevated concentrations of mineral spirits have been detected in both saturated and unsaturated soil samples.

- December 2000 groundwater samples from the two wells located in the right-of-way of Haags Alley (MW-12 and MW-13) contained light-weight TPH tentatively identified as mineral spirits and/or gasoline. Based on the test results for saturated soil samples from these two well locations, the TPH detected in these December 2000 groundwater samples is likely attributable to mineral spirits.

- Groundwater in well MW-7 located on the western portion of the Site contains diesel. Free product has been documented in this well.

- A groundwater sample collected in May 2000 from well MW-6 located on the western portion of the Site contained light-weight TPH identified as gasoline. A groundwater sample collected in December 2000 from well MW-6 contained light-weight TPH tentatively identified as mineral spirits and/or gasoline. Based on the test results for the May 2000 groundwater sample from well MW-6 and on saturated soil samples collected in close proximity to this well location, the TPH detected in the December 2000 groundwater sample is likely attributable to gasoline. The fact that this well is located in proximity to two former gasoline underground storage tanks (USTs) that were removed from the Site in June 2000 further substantiates that the TPH detected in the December 2000 groundwater sample from this well is likely attributable to gasoline.

- Groundwater in well MW-2 located on the central portion of the Site contains TPH identified as kerosene.

- As shown on Figure 6A, mineral spirits TPH was detected in groundwater samples from locations in Haags Alley and along the northern portion of the Site. The highest concentrations of mineral spirits TPH were detected at well MW-13 in Haags Alley. This location is between two adjoining parcels (addressed as 17 Richmond Street and 23 Richmond Street) that were historically used for auto painting operations and auto repairing operations, respectively.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Various supplemental environmental studies were performed in an effort to evaluate environmental conditions on the Site and on portions of the adjoining right-of-ways of Haags Alley and Charlotte Street. In addition, the findings were used to assist in future development of a corrective action plan for the Site in anticipation of redeveloping the Site for residential use. These studies included: advancement of test borings; installation of groundwater monitoring wells; field observations and PID screening on soil and groundwater samples; analytical laboratory testing of soil and groundwater samples; development of a groundwater potentiometric map; and evaluation of the data collected. The conclusions and recommendations developed by DAY based upon the findings of these supplemental environmental studies are summarized below.

Conclusions

The majority of VOCs and SVOCs detected in soil and groundwater samples appear to be associated with petroleum or hydrocarbon-based products; however, some chlorinated VOCs (e.g., vinyl chloride) that may be associated with dry cleaning solvents and degreasers (and potentially associated with biodegradation of these products) or other activities, were detected in the groundwater in several locations along the northern portion of the Site (MW-1) and in Haags Alley (MW-12 and MW-13).

Petroleum contamination fingerprinted as consisting of kerosene, gasoline, diesel fuel, lube oil, mineral spirits or a combination of these petroleum products was detected in soil and groundwater samples at the Site and in the right-of-way of Haags Alley. Potential sources of this contamination is discussed below:

- Some petroleum contamination appears attributable to former Site operations and is confirmed by its presence in unsaturated soils. Potential on-site sources of contamination include: 1) former UST locations; 2) former in-ground lift(s); 3) former drums; and 4) discharges to floor drains in the commercial building located on the 42 Charlotte Street parcel. Spills, leaks, or deliberate dumping of petroleum products may have occurred at these locations in the past. LNAPL appearing to consist of diesel fuel was encountered in overburden/bedrock interface well MW-7 located on the 14-16 Charlotte Street parcel.

- Based on the soil and groundwater data obtained to date, TPH designated as diesel that has been detected on the southwest portion of the Site (i.e., TB-7 and TB-48) may be attributable to off-site source(s). Based on the groundwater flow conditions documented at the Site and on the fact that diesel contamination is not encountered until the top of the groundwater table is intercepted, it appears that this diesel contamination may be migrating onto this portion of the Site from an upgradient or cross-gradient source(s).

- Based on the soil and groundwater data, TPH designated as mineral spirits, lube oil, diesel, and gasoline appears attributable to potential off-site source(s) located north of Haags Alley. This is evidenced by the fact that these types of TPH were detected at high concentrations in unsaturated and saturated soil samples in the right-of-way of Haags Alley. Properties north of Haags Alley that adjoin the Site are hydraulically cross-gradient or upgradient of the Site. In addition, gasoline, and lube oil have been detected in soil and groundwater samples from

locations in Haags Alley. Potential sources of this contamination include adjoining properties used as a dry cleaning facility with solvent tanks, a former auto storage and painting facility, and other adjoining properties with a history of underground storage tank use. The findings of studies performed to date suggest that the contamination consisting primarily of mineral spirits with lesser amounts of gasoline, and lube oil has migrated onto the northern portion of the Site.

- Chlorinated VOC contamination (i.e., tetrachloroethene, cis-1,2-dichloroethene and vinyl chloride) has been detected in groundwater samples from well MW-1 on the northwest portion of the Site and locations in Haags Alley (i.e., MW-12 and MW-13). The cis-1,2-dichloroethene and vinyl chloride are likely attributable to biodegradation of the tetrachloroethene. The concentrations of chlorinated VOCs detected in groundwater samples from MW-13 and MW-13 in Haags Alley are greater than the concentrations of chlorinated VOCs detected in on-site well MW-1. This chlorinated VOC groundwater contamination appears attributable to potential off-site source(s). Potential off-site sources may include adjoining properties used as a dry cleaning facility with solvent tanks and a former auto storage and painting facility that are located north of Haags Alley and are hydraulically cross-gradient or upgradient of the Site. The findings of studies performed to date suggest that the chlorinated VOC contamination has migrated onto the northwest portion of the Site (i.e., in proximity to well MW-1).

Recommendations

Under current City of Rochester plans, the existing residential dwelling and commercial building are to be demolished and the Site will be redeveloped for residential use. It is currently anticipated that the residential redevelopment will consist of construction of a townhouse complex. These townhouses will be constructed without basements. The recommendations herein are based upon the intended use of this Site and are provided as an addendum to the recommendations made in DAY's Supplemental Phase II Environmental Studies report dated November 2000 to reflect the findings and conclusions concerning the supplemental environmental studies discussed in this report.

The recommendations provided in DAY's Supplemental Phase II Environmental Studies report dated November 2000 in relation to future development of the Site should be implemented. These recommendations include but are not limited to:

- Removal of on-site sources of petroleum contamination;
- Development of an environmental management plan (EMP);
- Implementation of environmental engineering controls (i.e., vapor barriers, passive or active venting systems, etc. on proposed new buildings);
- Implementing institutional controls (e.g., City of Rochester flagging system);
- Evaluation of subsurface conditions beneath the existing buildings during their demolition;
- Perform environmental monitoring (air monitoring with a PID and particulate meter; visual observations; etc.) during activities that would potentially disturb contaminated media.
- Implementation of a long-term monitoring program
- Address the free product encountered at well MW-7

It is anticipated that these recommendations will be addressed in a CAP for the site that will be developed in the near future.

With the exception of the areas of the Site in proximity to on-site wells MW-6 and MW-7, it is anticipated that aggressive remediation of the groundwater and saturated soils beneath the Site will not be required for the following reasons: 1) groundwater contamination was detected only at low concentrations; and 2) much of this contamination appears attributable to off-site source(s). Only limited aggressive remediation may be conducted at known areas of contamination that appear attributable to the Site (e.g., removal of the free product in proximity to well MW-7). It is recommended that the NYSDEC further pursue the potential source(s) of the off-site contamination that has been documented (e.g., potential sources located north of Haags Alley, etc.). It is unknown whether these off-site sources are one-time or continuous releases to the environment. The potential off-site sources of contamination should be addressed as soon as possible to prevent this contamination from further impacting the Site and the planned re-development.

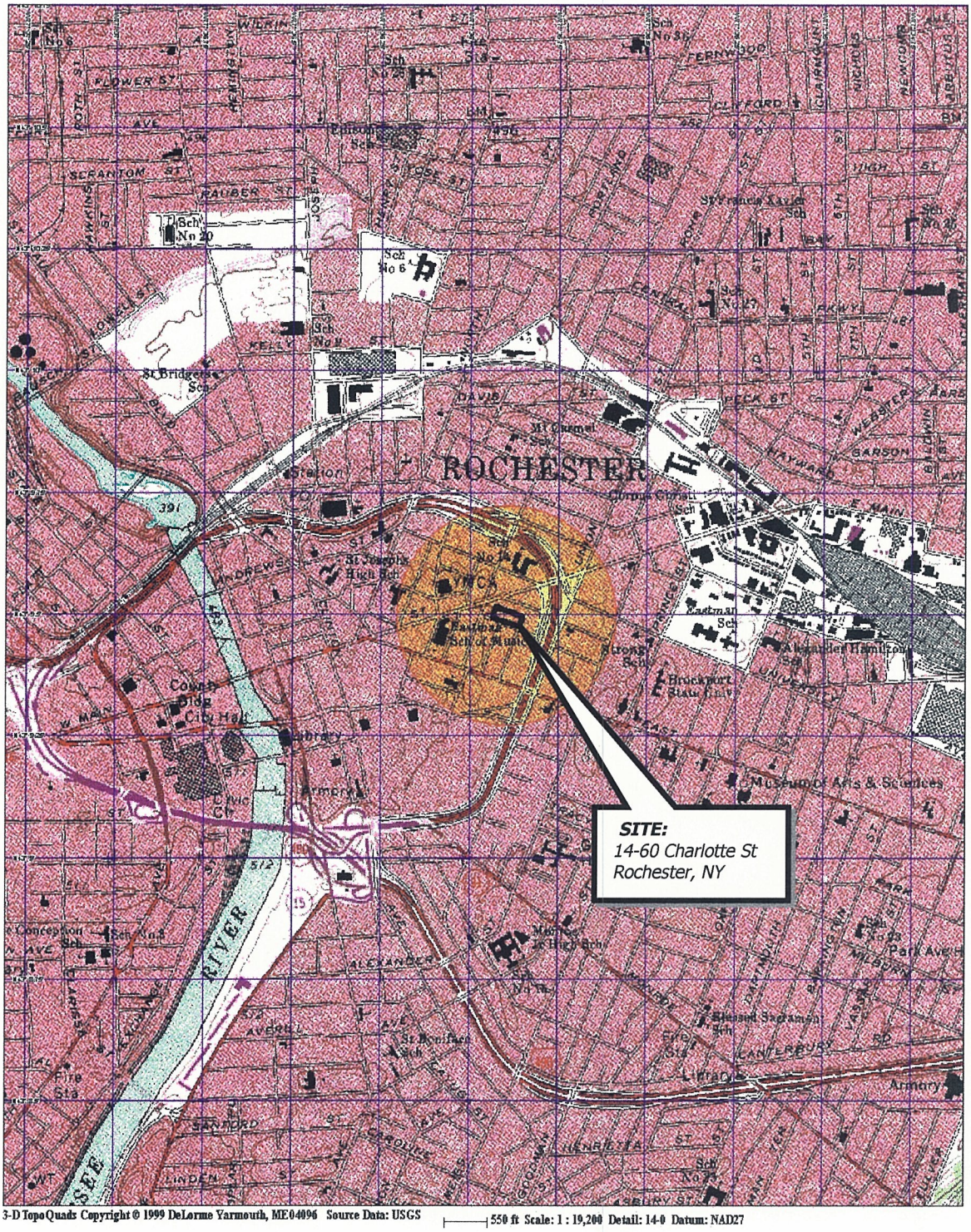
The NYSDEC and the MCDOH should continue to be involved with this project, and should be provided a copy of the results of the environmental studies performed to date. The specific actions required to address the contamination with the assumption that the Site will be redeveloped for residential use would be dependent upon NYSDEC and MCDOH input.

5.0 ABBREVIATIONS

CAP	Corrective Action Plan
DAY	Day Environmental, Inc.
EMP	Environmental Management Plan
ID	Inner Diameter
LNAPL	Light Non-Aqueous Phase Liquid
mg/Kg	Milligrams Per Killigrams
MCDOH	Monroe County Department of Health
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
PID	Photoionization Detector
ppb	Parts Per Billion
ppm	Parts Per Million
PVC	Polyvinyl Chloride
STARS	Spill Technology and Remediation Series
SVOC	Semi-Volatile Organic Compound
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
ug/L	Micrograms Per Liter
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound

APPENDIX A

Figures



Drawing Produced From: 3-D TopoQuads, DeLorme Map Co., referencing USGS quad map Rochester East (NY) 1995. Site Lat/Long: N43d-9.50' – W77d-35.90'

DATE 01/11/2001 DRAWN BY Tww SCALE 1" = 2000'	day DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14623-2700	PROJECT TITLE 14-60 CHARLOTTE STREET ROCHESTER, NEW YORK SUPPLEMENTAL ENVIRONMENTAL STUDIES DRAWING TITLE PROJECT LOCUS MAP	PROJECT NO. 2412S-00 FIGURE 1 SHEET 1 OF 1

11x17

Time Plotted: Thur Feb 22 10:58 2001
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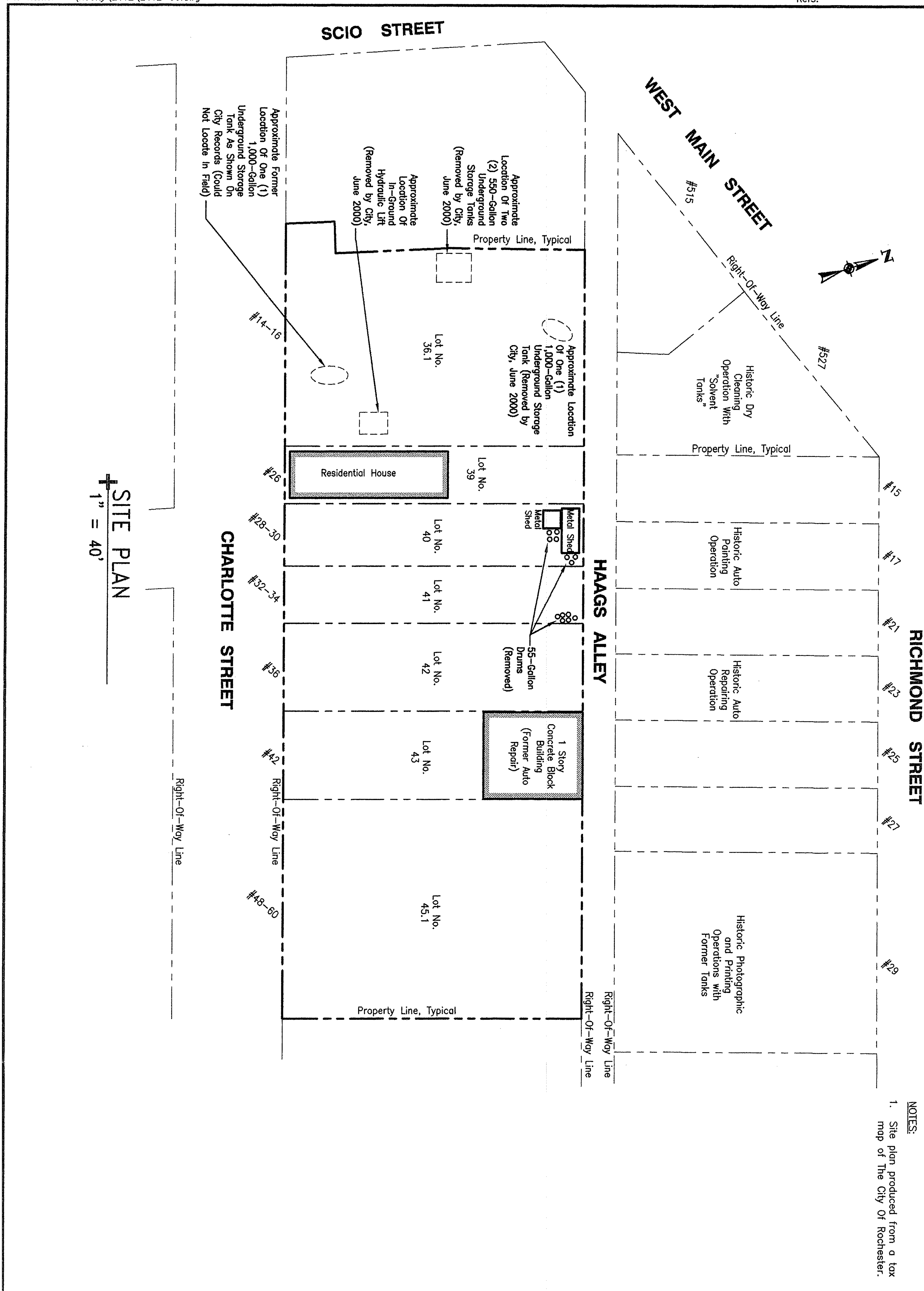
Ref2: SiteBase.dwg
Ref3:



PROJECT NO. 2412S-00 FIGURE 2 SHEET 1 OF 1	PROJECT TITLE **14-60 CHARLOTTE STREET** **ROCHESTER, NEW YORK** **SUPPLEMENTAL ENVIRONMENTAL STUDIES** DRAWING TITLE **Site Plan**	**day** DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14623-2700	FIELD VERIFIED BY **JAD** DATE **01/2001** DRAWN BY **RJM/Tw** DATE DRAWN **01/15/2001** SCALE **1" = 40'** DATE ISSUED **02/22/2001**

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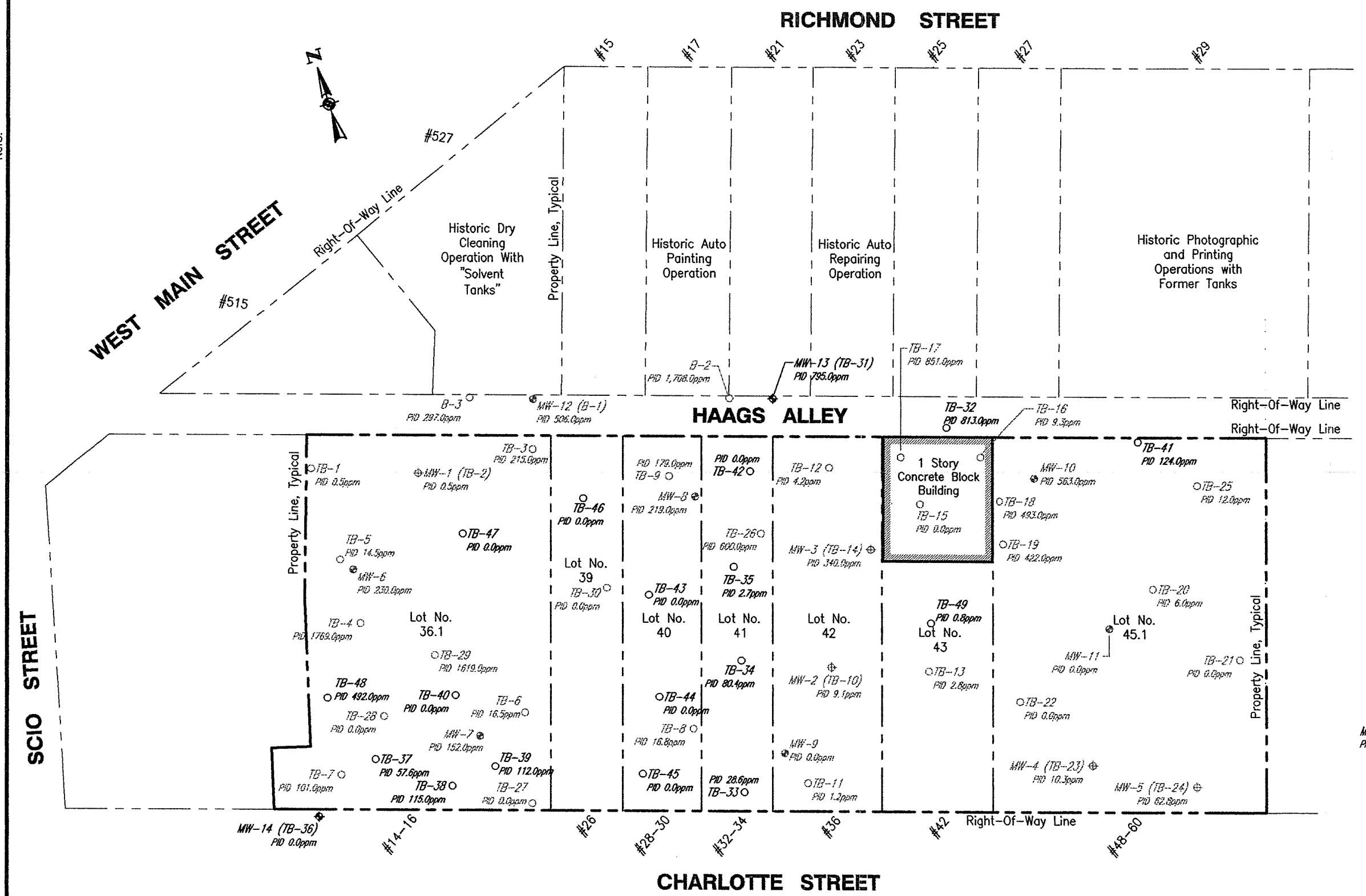

SITE PLAN
1" = 40'

NOTES:

1. Site plan produced from a tax map of The City Of Rochester.
2. Locations of test borings and wells tape-measured from existing site structures, and are considered accurate to the degree implied by the method used.

LEGEND:

○TB-1 PID 0.5ppm	Approximate Location Of Geoprobe Test Boring Installed Between April and August 2000, With Peak Photoionization Detector (PID) Reading Recorded In Parts Per Million (ppm)
⊕MW-1 (TB-2) PID 0.5ppm	Approximate Location Of Overburden Geoprobe Monitoring Well Installed April 2000, With Peak PID Reading Recorded In ppm
⊕MW-6 PID 230.0ppm	Approximate Location Of Overburden/Bedrock Geoprobe Monitoring Well Installed Between April and August 2000, With Peak PID Reading Recorded In ppm
○TB-32 PID 813.0ppm	Approximate Location Of Geoprobe Test Boring Installed October 31 – November 2, 2000, With Peak PID Reading Recorded In ppm
⊕MW-13 (TB-31) PID 795.0ppm	Approximate Location Of Overburden/Bedrock Monitoring Well Installed October 31 – November 2, 2000, With Peak PID Reading Recorded In ppm

FIELD VERIFIED BY	JAD
DRAWN BY	RJM/Tw
SCALE	1" = 40'
DATE	05/2000
DATE DRAWN	11/15/2000
DATE ISSUED	02/22/2001

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14623-2700

PROJECT TITLE
14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

SUPPLEMENTAL ENVIRONMENTAL STUDIES

DRAWING TITLE
Test Boring and Well Locations
With Peak Photoionization Detector Readings

PROJECT NO.
2412S-00

FIGURE 3

SHEET 1 OF 1

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Ref2: SiteBase.dwg
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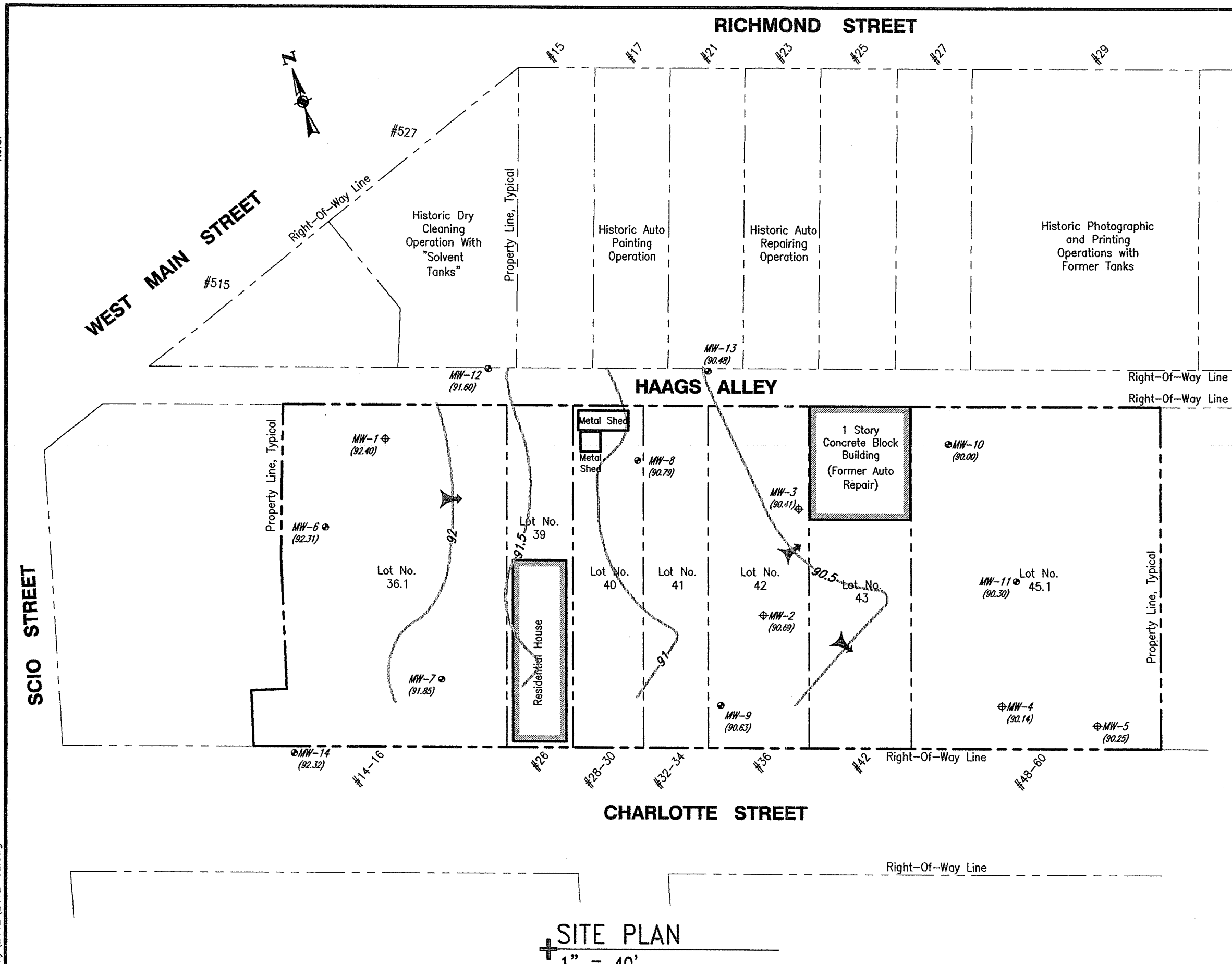

SITE PLAN
1" = 40'

NOTES:

1. Site plan produced from a tax map of The City Of Rochester.
2. Groundwater elevations will vary due to seasonal factors, pumping, etc., as such, the potentiometric contours will also vary, and flow direction may be different from those shown.
3. The groundwater elevation at MW-7 was adjusted due to the presence of floating free product (Refer to Table 10C in Report).
4. Locations of wells tape-measured from existing site structures, and are considered accurate to the degree implied by the method used.

LEGEND:

- 93 — Potentiometric Contour Line
- Approximate Direction Of Groundwater Flow
- ⊕MW-1 (92.40) — Approximate Overburden Geoprobe Monitoring Well Location With Groundwater Elevation In Feet Obtained On December 6, 7, 8, and 11, 2000
- ⊕MW-6 (92.31) — Approximate Overburden/ Bedrock Monitoring Well Location With Groundwater Elevation In Feet Obtained On December 6, 7, 8, and 11, 2000

DATE	DATE DRAWN	DATE ISSUED
12/2000	01/15/2001	02/22/2001
FIELD VERIFIED BY: JAD	DRAWN BY: RJM/Tw	SCALE: RJM/Tw

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14623-2700

PROJECT TITLE
14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK
SUPPLEMENTAL ENVIRONMENTAL STUDIES

DRAWING TITLE
Groundwater Potentiometric Contour Map
For December 6, 7, 8, and 11, 2000

PROJECT NO.
2412S-00

FIGURE 4

SHEET 1 OF 1

Time Plotted: Thur Feb 22 11:08 2001
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Copy of_Arial
11x17

DayEnv_AnsiB
11x17

Time Plotted: Thur Feb 22 11:32 2001
File Name: \RoCity\2412\2412-53.dwg

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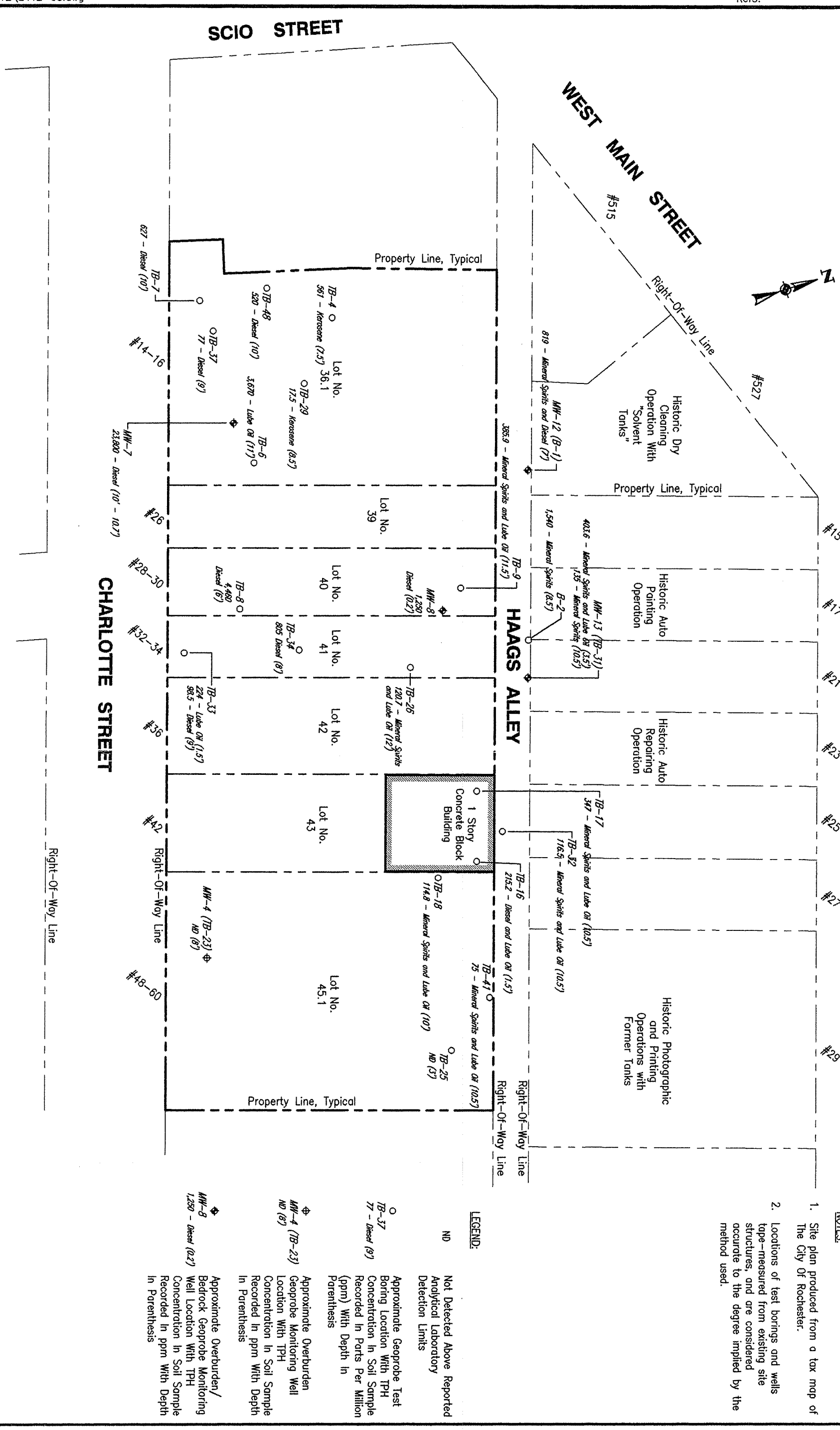
Ref2: SiteBase.dwg
Ref3:



SITE PLAN
1" = 40'

NOTES:

1. Site plan produced from a tax map of The City Of Rochester.
2. Locations of test borings and wells tape-measured from existing site structures, and are considered accurate to the degree implied by the method used.

LEGEND:

ND — Not Detected Above Reported Analytical Laboratory Detection Limits

TB-37 / 77 - Diesel (9') — Approximate Geoprobe Test Boring Location With TPH Concentration In Soil Sample Recorded In Parts Per Million (ppm) With Depth In Parenthesis

MW-4 (TB-23) / ND (8') — Approximate Overburden Geoprobe Monitoring Well Location With TPH Concentration In Soil Sample Recorded In ppm With Depth In Parenthesis

MW-8 / 1,250 - Diesel (0.2') — Approximate Overburden/ Bedrock Geoprobe Monitoring Well Location With TPH Concentration In Soil Sample Recorded In ppm With Depth In Parenthesis

PROJECT TITLE	14-60 CHARLOTTE STREET ROCHESTER, NEW YORK
	SUPPLEMENTAL ENVIRONMENTAL STUDIES
DRAWING TITLE	Cumulative TPH Test Results For Soil Samples

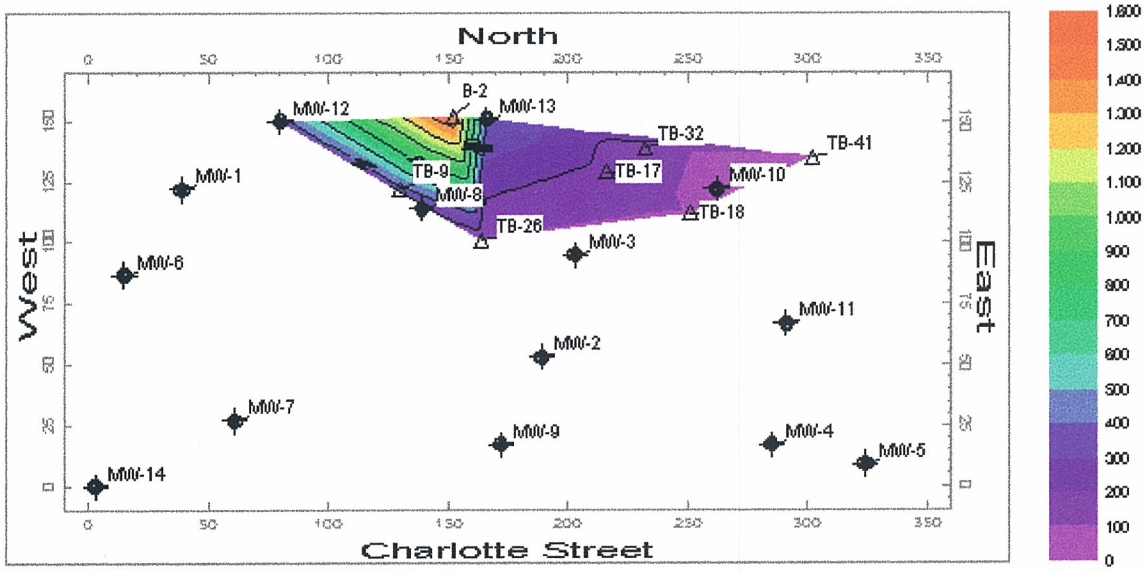
day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14623-2700

FIELD VERIFIED BY: JAD	DATE: 01/2001
DRAWN BY: RJM/Tw	DATE DRAWN: 01/16/2001
SCALE: 1" = 40'	DATE ISSUED: 02/22/2001

PROJECT NO. 2412S-00

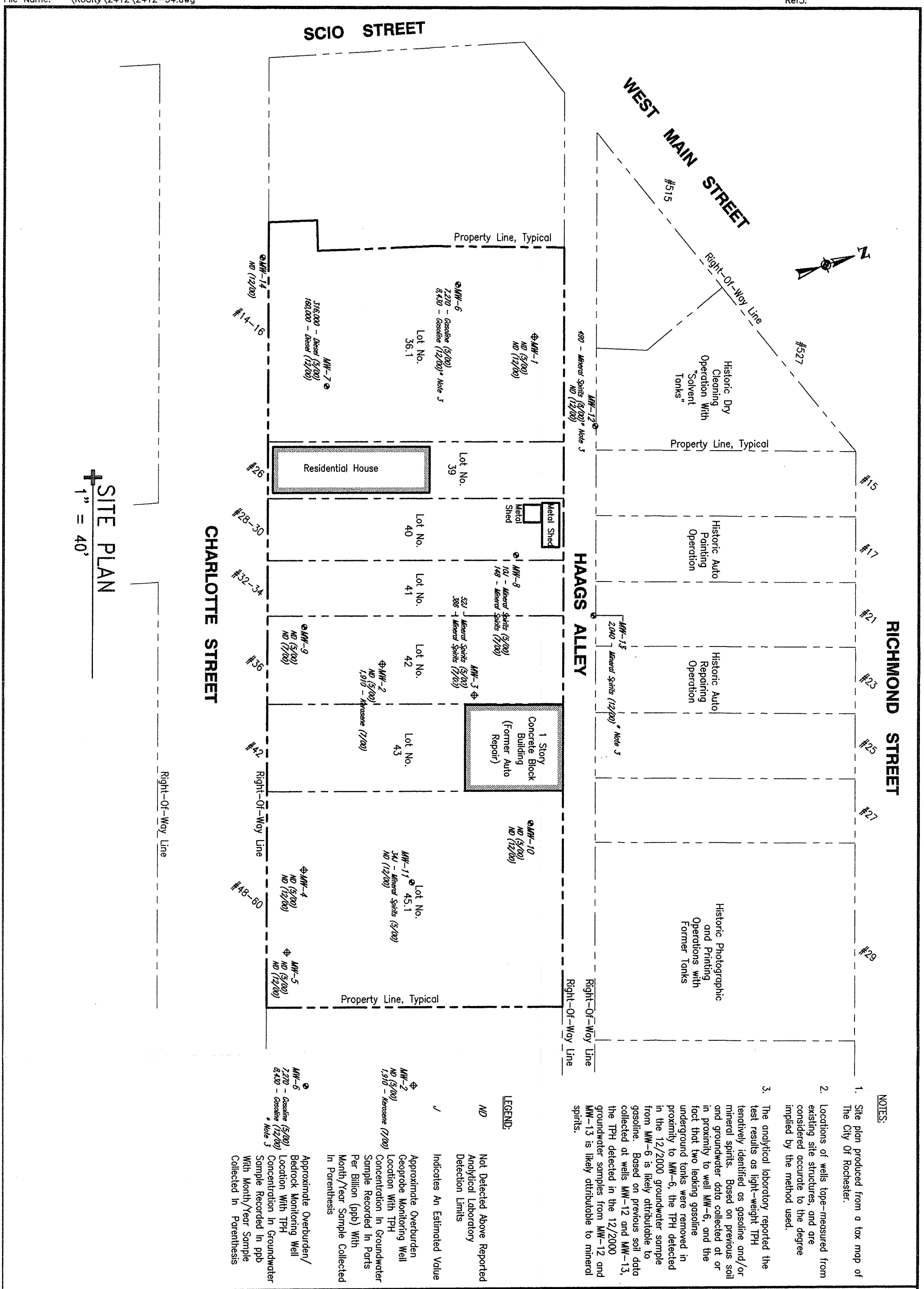
FIGURE 5

SHEET 1 OF 1



Note: Soil samples from each of the test locations shown were analyzed for TPH. Samples in white background indicate mineral spirits TPH was not detected at that location

DATE 02/22/2001 DRAWN BY Jad SCALE as shown	DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14623-2700	PROJECT TITLE 14-60 CHARLOTTE STREET ROCHESTER, NEW YORK SUPPLEMENTAL ENVIRONMENTAL STUDIES DRAWING TITLE Mineral Spirits TPH in Soil	PROJECT NO. 2412S-00 FIGURE 5A SHEET 1 OF 1



SITE PLAN
1" = 40'

NOTES:

1. Site plan produced from a tax map of The City Of Rochester.
2. Locations of wells tape-measured from existing site structures, and are considered accurate to the degree implied by the method used.
3. The analytical laboratory reported the test results as light-weight TPH tentatively identified as gasoline and/or mineral spirits. Based on previous soil and groundwater data collected at or in proximity to well MW-6, and the fact that two leaking gasoline underground tanks were removed in proximity to MW-6, the TPH detected in the 12/2000 groundwater sample from MW-6 is likely attributable to gasoline. Based on previous soil data collected at wells MW-12 and MW-13, the TPH detected in the 12/2000 groundwater samples from MW-12 and MW-13 is likely attributable to mineral spirits.

LEGEND:

ND — Not Detected Above Reported Analytical Laboratory Detection Limits

J — Indicates An Estimated Value

MW-2 — Approximate Overburden Geoprobe Monitoring Well Location With TPH Concentration In Groundwater Sample Recorded In Parts Per Billion (ppb) With Month/Year Sample Collected In Parenthesis

MW-4 — Approximate Overburden/ Bedrock Monitoring Well Location With TPH Concentration In Groundwater Sample Recorded In ppb With Month/Year Sample Collected In Parenthesis

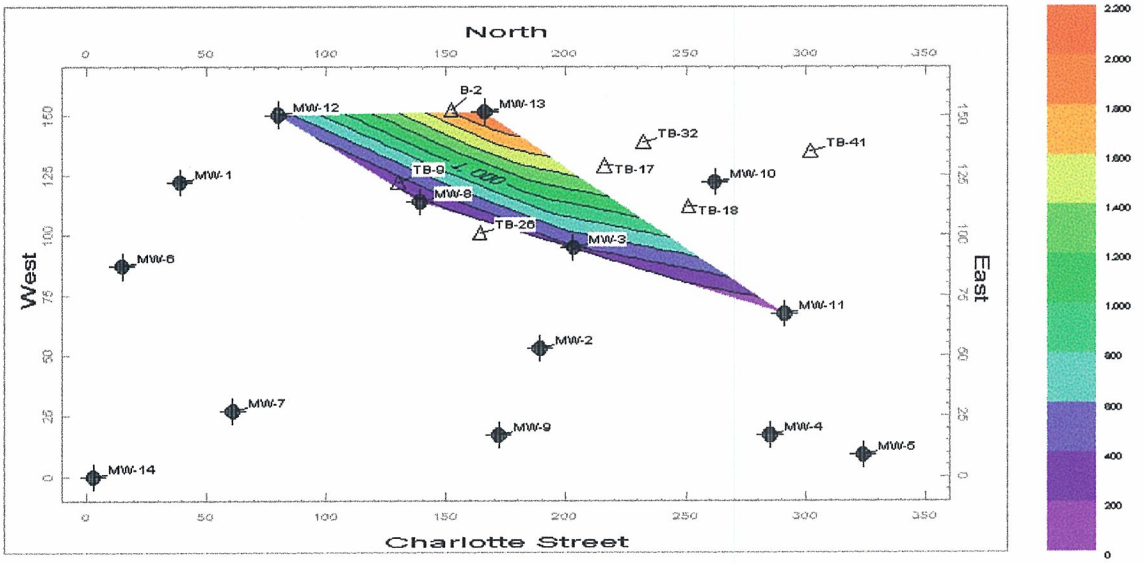
MW-6 7,270 - Gasoline (5/00) 8,430 - Gasoline (12/00) * Note 3

PROJECT TITLE: 14-60 CHARLOTTE STREET ROCHESTER, NEW YORK SUPPLEMENTAL ENVIRONMENTAL STUDIES DRAWING TITLE: Cumulative TPH Test Results For Groundwater Samples	day DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14623-2700	FIELD VERIFIED BY: JAD — DATE: 01/2001 DRAWN BY: RJM/Tw — DATE DRAWN: 01/16/2001 SCALE: 1" = 40' — DATE ISSUED: 02/22/2001

PROJECT NO. 2412S-00

FIGURE 6

SHEET 1 OF 1



Note: Groundwater samples from each of the test locations shown were analyzed for TPH. Samples in white background indicate mineral spirits TPH was not detected at that location

DATE **02/22/2001** DRAWN BY **Jad** SCALE **as shown**	DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14623-2700	PROJECT TITLE **14-60 CHARLOTTE STREET ROCHESTER, NEW YORK** **SUPPLEMENTAL ENVIRONMENTAL STUDIES** DRAWING TITLE **Mineral Spirits TPH in Groundwater**	PROJECT NO. **2412S-00** **FIGURE 6A** SHEET **1** OF **1**

APPENDIX B

Tables

TABLE 1

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

SOIL ANALYTICAL LABORATORY TESTING PROGRAM

Sample Number/Location	Analysis
2412-01 / MW-13 (TB-31) @ 3.5'	8260 / 8270 / 310.13
2412-02 / MW-13 (TB-31) @ 10.5'	8260 / 310.13
2412-03 / TB-32 @ 10.5'	8260 / 8270 / 310.13
2412-04 / TB-33 @ 1.5'	8260 / 8270 / 310.13
2412-05 / TB-33 @ 9.0'	8260 / 310.13
2412-06 / TB-34 @ 8.0'	8260 / 310.13
2416-07 / TB-37 @ 9.0'	8260 / 310.13
2412-08 / TB-41 @ 10.5'	8260 / 8270 / 310.13
2412-09 / TB-48 @ 10.0'	8260 / 310.13

Method 8260 used to test for TCL and STARS-list volatile organic compounds.
Method 8270 used to test for STARS-list semi-volatile organic compounds.
Method 310.13 used to test for total petroleum hydrocarbons.

TABLE 2

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

TOTAL PETROLEUM HYDROCARBONS (TPH)
IN MG/KG OR PARTS PER MILLION (PPM)

SOIL SAMPLES

SAMPLE DESIGNATION AND LOCATION	TPH TEST RESULTS (mg/kg or PPM)	
	TOTAL CONCENTRATION	CONCENTRATIONS BY HYDROCARBON WIEGHT
2412-01 (MW-13 @ 3.5')	403.6	364 - LW (mineral spirits*) 39.6 – HW (lube oil)
2412-02 (MW-13 @ 10.5')	135	135 - LW (mineral spirits*)
2412-03 (TB-32 @ 10.5')	116.5	73.8 - LW (mineral spirits*) 42.7 - HW (lube oil)
2412-04 (TB-33 @ 1.5')	224	224 - HW (lube oil)
2412-05 (TB-33 @ 9.0')	98.5	98.5 - MW (diesel)
2412-06 (TB-34 @ 8.0')	805	805 – MW (diesel)
2412-07 (TB-37 @ 9.0')	77	77 – MW (diesel)
2412-08 (TB-41 @ 10.5')	75	55.5 - LW (mineral spirits*) 19.5 - HW (lube oil)
2412-09 (TB-48 @ 10.0')	520	520 - MW (diesel)
Local regulatory TPH Guidance Value[(1)]	500	500

* = TPH identified as "mineral spirits" could also be Stoddard solvent or paint thinner.
LW = Light Weight
MW = Medium Weight
HW = Heavy Weight
(1) = Guidance value used by local regulatory agencies on similar sites in the Rochester, New York area that are being redeveloped for commercial purposes.

TABLE 3

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

SUMMARY OF DETECTED
VOLATILE ORGANIC COMPOUNDS (VOCs)
IN UG/KG OR PARTS PER BILLION (PPB)

SOIL SAMPLES

DETECTED VOCs	SAMPLE AND LOCATION						NYSDEC STARS MEMO #1 TCLP ALTERNATIVE GUIDANCE VALUES (PPB)
	2412-01 MW-13 @ 3.5'	2412-02 MW-13 @ 10.5'	2412-03 TB-32 @ 10.5'	2412-04 TB-33 @ 1.5'	2412-05 TB-33 @ 9.0'	2412-06 TB-34 @ 8.0'	
n-Propylbenzene	1,640	--	--	--	--	--	100
1,2,4-Trimethylbenzene	10,200	--	--	--	--	--	100
sec-Butylbenzene	1,970	290	--	--	--	145	100
n-Butylbenzene	1,490	--	--	--	--	--	100
Isopropylbenzene	570	--	--	--	--	--	100
p-Isopropyltoluene	--	292	--	--	--	--	100
Total VOCs	15,870	582	0	0	0	145	NA

DETECTED VOCs	SAMPLE AND LOCATION			NYSDEC STARS MEMO #1 TCLP ALTERNATIVE GUIDANCE VALUES (PPB)
	2412-07 TB-37 @ 9.0'	2412-08 TB-41 @ 10.5'	2412-09 TB-48 @ 10.0'	
n-Propylbenzene	--	--	86.9	100
1,2,4-Trimethylbenzene	--	--	269	100
sec-Butylbenzene	--	--	31.7	100
n-Butylbenzene	--	--	--	100
Isopropylbenzene	--	--	22.3	100
p-Isopropyltoluene	--	--	40.1	100
Total VOCs	0	0	450	NA

-- = Not detected above reported laboratory detection limit value.
NA = Not available.

TABLE 4

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

GROUNDWATER ANALYTICAL LABORATORY TESTING PROGRAM

Well Location	Sample Date	Sample Number	Analysis
MW-1	12/8/00	2412-01	8260 / 310.13
MW-4	12/11/00	2412-010	8260 / 310.13
MW-5	12/8/00	2412-02	8260 / 310.13
MW-6	12/6/00	2412-03	8260 / 310.13
MW-7	12/6/00	2412-04	8260 / 310.13
MW-10	12/7/00	2412-05	8260 / 310.13
MW-11	12/7/00	2412-06	8260 / 310.13
MW-12	12/7/00	2412-07	8260 / 310.13
MW-13	12/7/00	2412-08	8260 / 310.13
MW-14	12/6/00	2412-09	8260 / 310.13

Method 8260 used to test for TCL and STARS-list volatile organic compounds.
Method 8270 used to test for STARS-list semi-volatile organic compounds.
Method 310.13 used to test for total petroleum hydrocarbons.

TABLE 5

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

TOTAL PETROLEUM HYDROCARBONS (TPH)
IN UG/l OR PARTS PER BILLION (PPB)

DECEMBER 6, 7, 8 & 11, 2000 GROUNDWATER SAMPLES

SAMPLE LOCATION	SAMPLE DESIGNATION	TPH TEST RESULTS (PPB)
MW-1	2412-01	--
MW-4	2412-010	--
MW-5	2412-02	--
MW-6	2412-03	8,430 - LW (gasoline)
MW-7	2412-04	160,000 - MW (diesel fuel)
MW-10	2412-05	--
MW-11	2412-06	--
MW-12	2412-07	--
MW-13	2412-08	2,040 - LW (gasoline)
MW-14	2412-09	--

-- = Not detected above reported laboratory detection limit values.
LW = Light Weight
MW = Medium Weight

TABLE 6

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

SUMMARY OF DETECTED
VOLATILE ORGANIC COMPOUNDS (VOCs)
IN UG/l OR PARTS PER BILLION (PPB)

DECEMBER 6, 7, 8 & 11, 2000 GROUNDWATER SAMPLES

DETECTED VOCs	SAMPLE AND LOCATION										NYSDEC TOGS 1.1.1 GROUNDWATER STANDARDS AND GUIDANCE VALUES (PPB) [1]
	2412-01 from MW-1	2412-010 from MW-4	2412-02 from MW-5	2412-03 from MW-6	2412-04 from MW-7	2412-05 from MW-10	2412-06 from MW-11	2412-07 from MW-12	2412-08 from MW-13	2412-09 from MW-14	
Benzene	--	--	--	92.5	63	--	--	--	--	--	1
Ethylbenzene	--	--	--	669	158	--	--	--	--	--	5
Toluene	--	--	--	319	--	--	--	--	--	--	5
Total Xylenes	--	--	4.08	1,667	605	--	--	--	--	--	5
Isopropylbenzene	--	--	--	58.3	57.5	--	--	--	--	--	5
n-Propylbenzene	--	--	--	80	104	--	--	--	--	--	5
1,3,5-Trimethylbenzene	--	--	4.46	435	325	--	--	--	--	--	5
1,2,4-Trimethylbenzene	--	--	15.5	1,690	1,460	--	--	--	670	--	5
p-Isopropyltoluene	--	--	--	30.4	238	--	--	--	--	--	5
sec-Butylbenzene	--	--	--	--	83.2	--	--	--	--	--	5
Naphthalene	--	--	--	199	2,230	--	--	--	--	--	10
Tetrachloroethene	15.6	--	--	--	--	--	--	--	--	--	5
Methylene Chloride	--	--	--	128	--	--	--	--	--	--	5
cis-1,2-Dichloroethene	--	--	--	--	--	--	--	66.9	51.2	--	5
Vinyl Chloride	--	--	--	--	--	--	--	62.1	22.5	--	2
Chloroform	--	--	--	--	--	--	--	--	--	17.8	7
Total VOCs	15.6	0	24.04	5,368.2	5,323.7	0	0	129	743.7	17.8	NA

-- = Not detected above reported laboratory detection limit value.
NA = Not available.
(1) = June 1998 Division of Water TOGS (1.1.1) Ambient Groundwater Standards and Guidance Values.

TABLE 7

GROUNDWATER ELEVATION DATA FOR DECEMBER 6, 7, 8 & 11, 2000

14 – 60 Charlotte Street
Rochester, New York

WELL ID	CURB BOX ELEVATION (FT)	ELEVATION OF PVC WELL CASING (FT)	STATIC WATER LEVEL (SWL) MEASUREMENT (FT)	GROUNDWATER ELEVATION (FT)	DEPTH TO TOP OF FREE PRODUCT (FT)	FREE PRODUCT ELEVATION (FT)	FREE PRODUCT THICKNESS (FT)	(1)ADJUSTED GROUNDWATER ELEVATION (FT)
MW-1	100.93	100.65	8.25	92.40	---	---	---	---
MW-2	98.76	98.46	7.77	90.69	---	---	---	---
MW-3	98.79	98.51	8.10	90.41	---	---	---	---
MW-4	97.66	97.36	7.22	90.14	---	---	---	---
MW-5	97.60	97.41	7.16	90.25	---	---	---	---
MW-6	101.91	101.72	9.41	92.31	---	---	---	---
MW-7	100.49	100.10	10.11	89.99	8.04	92.06	2.07	91.85
MW-8	99.68	99.38	8.59	90.79	---	---	---	---
MW-9	98.75	98.57	7.94	90.63	---	---	---	---
MW-10	98.04	97.76	7.76	90.00	---	---	---	---
MW-11	97.91	97.64	7.34	90.30	---	---	---	---
MW-12	99.67	99.32	7.72	91.60	---	---	---	---
MW-13	98.10	97.84	7.36	90.48	---	---	---	---
MW-14	101.29	101.00	8.68	92.32	---	---	---	---

NOTE: Elevations based on assumed Project Benchmark elevation of 100.00 feet

SWL and free oil product measurements were collected from the north side of the PVC well casing.

NC - Not Collected

(1) Adjusted Groundwater Elevation due to the presence of Free Oil Product = [Thickness of Product x Assumed Density of Product (0.9)] + Measured Groundwater Elevation

APPENDIX C

Test Boring Logs and Monitoring Well Logs

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-31 (MW-13)

Project: Charlotte Street
DAY Representative: J. Joseph Dorety
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe, HQ Core
Completion Method: 2" PVC Monitoring Well

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: 98.1 feet **Datum:** 100.00 feet
Start Date: 10/31/00 **Completion Date:** 10/31/00
Borehole Diameter: 8 inches **Borehole Depth:** 15.4 feet
Water Level: 8.5 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0 3.4		Dark brown Sand, Gravel, Silt, Asphalt, Cinders, Roots, damp (FILL).
2	NA	S-1	0-4	75	NA	1.9		Reddish brown Silty SAND and GRAVEL, trace Clay, moist. Dark staining.
3						472		
4						753		... stong petroleum odor.
5						146		
6		S-2	4-8	50		38.4 12.2		... odors diminishing, no visible staining.
7						8.6		... Rock fragments, moist.
8						8.1		
9		S-3	8-10.5	60		286 648		... dark gold petroleum product 8.5-9.5 feet, wet. ... weathered Rock, Rock fragments.
10						343 795		... black staining, strong weathered petroleum odor, moist.
11								Sampler refusal at 10.5 feet. Auger to refusal at 9 feet. Set temporary casing and roller bit.
12								
13	NA	C-1	10.5-15.4	92.5	73.8			Gray DOLOMITE, severe fractures from 11.4 feet to 12 feet, and from 14.3 feet to 14.5 feet. From 12.2 feet to 12.7 feet Numerous mineralized vugs. Slight petroleum odor in fractures at 14 feet and 14.6 feet.
14								Lost approximately 340 gallons of drill water.
15								
16								BOC at 15.4'.
17								
18								
19								
20								

File: 2412s031.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-32

Project: Charlotte Street
Project No: 2412S-00
DAY Representative: J. Joseph Dorety
Boring Location: See Site Plan
Drilling Contractor: Nothnagle Drilling
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Diedrich
Start Date: 10/31/00
Completion Date: 10/31/00
Sampling Method: Direct Push Geoprobe
Borehole Diameter: 2.25 inches
Borehole Depth: 10.5 feet
Completion Method: Backfilled with Cuttings
Water Level: 6 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		2 inch Asphalt.
						0.0		Brown Sand, Gravel, Silt, Brick, Cinders, Coal, Metal, damp (FILL).
2	NA	S-1	0-4	70	NA	0.0		
3						0.0		... seam of Coal and Cinders.
						0.0		Dark brown Silty SAND, some Gravel and Clay, moist.
4								
5						0.0		
						0.0		Reddish brown Silty SAND and GRAVEL, some Clay, moist.
6		S-2	4-8	75		0.0		... wet at 6 feet.
						0.0		... Rock fragments.
7						0.0		
8								
						385		
9		S-3	8-10.5	75		294		
						436		... Grades from wet to damp with Rock Fragments.
10						813		... Product 8-10 feet.
11								Refusal at 10.5'.
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s032.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-33

Project: Charlotte Street
DAY Representative: J. Joseph Dorety
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with Cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 10/31/00
Completion Date: 10/31/00
Borehole Diameter: 2.25 inches
Borehole Depth: 9 feet
Water Level: 8.5 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	75	NA	22.4		Brown Sand, Silt, Gravel, Clay, Roots, damp (FILL).
2						28.6		Dark brown Silt, Sand, Gravel, Cinders, Wood, Roots, damp (FILL).
3						7.7		Brown Silty SAND, some Gravel, little Clay, damp.
4						18.2		
5		S-2	4-8	70		2.8		
6						2.2		
7						2.1		Brown Silty SAND and GRAVEL, some Clay, Rock fragments.
8						1.3		... moist at 7.5 feet.
9		S-3	8-9	60		13.4 19.9 15.4		... wet at 8.5 feet. Petroleum odor.
10								Refusal at 9'.
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s033.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-34

Project: Charlotte Street
DAY Representative: J. Joseph Dorety
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with Cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 10/31/00
Completion Date: 10/31/00
Borehole Diameter: 2.25 inches
Borehole Depth: 10 feet
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown Sand, Silt, Gravel, Brick, Coal, Ash, Wood (FILL).
2	NA	S-1	0-4	75	NA	0.0		Damp.
3						0.0		
4						0.0		
5						0.9		Brown Sandy CLAY, some gravel, moist.
6		S-2	4-8	-		3.1		
7						80.4		... Dark oily staining at 7 feet.
8								... petroleum-type odor.
9		S-3	8-10	5		12.1		
10								Rock in cutting shoe.
11								Refusal at 10'.
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s034.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-35

Project: Charlotte Street
DAY Representative: J. Joseph Dorety
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with Cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 10/31/00
Completion Date: 10/31/00
Borehole Diameter: 2.25 inches
Borehole Depth: 11.9 feet
Water Level: 10 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.1		Reddish Brown Sand, Silt, Gravel, Brick, Roots, Clay, Damp (FILL).
2	NA	S-1	0-4	90	NA	0.1		
3						0.1		Dark Brown Sand, Silt, Gravel, Brick, Ash, Coal, Roots, Damp (FILL).
4						0.1		
5						0.0		
6		S-2	4-8	80		0.0		Reddish brown Silty fine SAND, little Clay, moist.
7						0.1		
8						0.1		
9						0.0		
10		S-3	8-11.9	45		0.0		... wet at 10 feet.
11						2.1		... rock fragments.
12						2.7		Refusal at 11.9'.
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s035.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-36 (MW-14)

Project: Charlotte Street
DAY Representative: D. Noll
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe, HQ Core
Completion Method: 2" PVC Screen and Riser

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: 101.29 ft. **Datum:** 100.00 feet
Start Date: 11/01/00 **Completion Date:** 11/02/00
Borehole Diameter: 8 inches **Borehole Depth:** 15.6 feet
Water Level: 9.3 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								6 inch Concrete.
								1 inch Asphalt.
2	NA	.	0-3		NA			Large Cobbles, Sand, Silt, Gravel, Brick, Moist (FILL).
3								
4		S-1	3-5.2	80	NA	0.0 0.0 0.0		Brown Silty SAND and GRAVEL with little Clay, Rock Fragments.
5								Sampler Refusal at 5.2 feet. Auger to Refusal to 5.5 feet.
6								
7								Gray Dolomite from 5.5 feet to 6.15 then Rock Fragments and Silt to Approximately 9.6 feet then Gray Dolomite to 10.5 feet.
8		C-B	5.2-10.5	40	71			1 Severe Fracture at 10.3 feet.
9								Lost approximately 200 gallons of drill water coring C-B.
10								
11								11/2/00 Augered from 0-10.4 feet.
12								Set Temporary Casing at 10.6 feet.
								Gray DOLOMITE severe fractures throughout.
13		C-1	10.5-15.6	78	50			Lost approximately 100 gallons of drill water coring C-1.
14								collapse to 14 feet.
15								
16								BOC at 15.6'.
17								
18								
19								
20								

File: 2412s036.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-37

Project: Charlotte Street
DAY Representative: D. Noll
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/01/00
Completion Date: 11/01/00
Borehole Diameter: 2.25 inches
Borehole Depth: 10.2 feet
Water Level: 9 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Silt, Sand, Gravel, Coal, Brick, Damp (FILL).
2	NA	S-1	0-4	90	NA	0.0		Brown Silty SAND with some Gravel, and Rock Fragments, Damp.
3						0.0		
4						0.0		
5						0.0		
6		S-2	4-8	50		0.0		... moist.
7								... Petroleum odor.
8						57.6		
9		S-3	8-10.2	-		47.1 56.8		... wet at 9 feet. Brown Silty SAND and GRAVEL, some Rock Fragments, Strong Petroleum odor.
10						18.2		
11								Refusal at 10.2'.
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s037.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-38

Project: Charlotte Street
DAY Representative: D. Noll
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/01/00
Completion Date: 11/01/00
Borehole Diameter: 2.25 inches
Borehole Depth: 10.4 feet
Water Level: 9.5 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Gray/Brown Silt, Sand, Gravel, Brick, Ash, Rock Fragments (FILL).
						0.0		
2	NA	S-1	0-4	80	NA	0.0		Black Cinders, Silt, Sand, Gravel, Brick, Damp (FILL).
3						0.0		Brown Silty SAND, some gravel.
						0.0		
4								
5						0.0		
						0.0		
6		S-2	4-8	80		0.0		... moist at 6 feet.
7						0.0		Brownish gray Silty SAND, some gravel, little Clay.
						63.5		... Brown.
8								... Staining and Petroleum odor at 9 feet.
9		S-3	8-10.4	90		0.0		... wet at 9.5 feet.
						0.0		
10						115		
						65.4		
11								Refusal at 10.4'.
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s038.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-39

Project: Charlotte Street
DAY Representative: D. Noll
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/01/00
Completion Date: 11/01/00
Borehole Diameter: 2.25 inches
Borehole Depth: 9.7 feet
Water Level: 9.5 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Dark Brown Silty, Sand, Gravel, Coal, Brick, Ash, Moist (FILL).
						0.0		Brown Sitly SAND with some Gravel and Rock Fragments.
2	NA	S-1	0-4	80	NA	0.0		
3						0.1		
4						0.1		
5						0.1		
6		S-2	4-8	30		0.3		... some Clay.
7						0.2		... moist at 7 feet.
8						0.0		
9		S-3	8-9.7	90		13.3		
10						112		... wet at 9.5 feet with strong Petroleum odor.
								Refusal at 9.7'.
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s039.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-40

Project: Charlotte Street
DAY Representative: D. Noll
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/01/00
Completion Date: 11/01/00
Borehole Diameter: 2.25 inches
Borehole Depth: 10.8 feet
Water Level: 10 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Asphalt, Brick, Sand, Silt, Ash, Gravel, Rock Fragments (FILL) DAMP.
2	NA	S-1	0-4	70	NA	0.0		
3						0.0		
4						0.0		
5						0.0		
6		S-2	4-8	80		0.0		Brown Silty SAND, some Gravel, Clay, and Rock Fragments (FILL). ... moist at 6 feet.
7						0.0		
8						0.0		
9		S-3	8-10.8	60		0.0		Brick, Sand, Silt, Ash, Gravel (FILL).
10						0.0		Brown Silty SAND, some Gravel, Clay and Rock Fragments. ... wet at 10 feet.
11								Refusal at 10.8'.
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s040.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-41

Project: Charlotte Street
DAY Representative: D. Noll
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/01/00
Completion Date: 11/01/00
Borehole Diameter: 2.25 inches
Borehole Depth: 11.2 feet
Water Level: 10 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown/Black Slag, Silt, Sand, Brick, Gravel, Damp (FILL).
2	NA	S-1	0-4	70	NA	0.0		
3						0.0		
4						0.0		
5						0.0		Brown Silty SAND, little Gravel and Clay, Rock Fragments.
6		S-2	4-8	100		0.0		
7						0.0		... moist at 6.5 feet.
8						0.0		... some Clay.
9						0.0		Black Silt, Sand, Gravel, Slag, Rock Fragments.
10		S-3	8-11.2	90		6.0		Brown Silty SAND, some Gravel and Clay, Rock Fragments.
11						35.2		... wet at 10 feet. gray weathered ROCK, little Silt and Sand.
12						124		Refusal at 11.2'.
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s041.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-42

Project: Charlotte Street
DAY Representative: D. Noll
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/02/00
Completion Date: 11/02/00
Borehole Diameter: 2.25 inches
Borehole Depth: 9 feet
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown Silt, Sand, Gravel, Roots, Cinders, Rock Fragments (FILL) Damp.
2	NA	S-1	0-4	80	NA	0.0		
3						0.0		Gray Silt, Sand, Gravel, Roots, Ash, Rock Fragments (FILL) Damp.
4						0.0		
5						0.0		Brown Silty SAND, some Gravel and Rock Fragments.
6		S-2	4-8	70		0.0		
7						0.0		
8						0.0		... moist at 8.5 feet.
9		S-3	8-9	70		0.0		... Rock Fragments at 9 feet.
10								Refusal at 9'.
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s042.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-43

Project: Charlotte Street
DAY Representative: D. Noll
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/02/00
Completion Date: 11/02/00
Borehole Diameter: 2.25 inches
Borehole Depth: 9.3 feet
Water Level: 9 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown Silt, Sand, Gravel, Rock Fragments, Brick, Roots (FILL) Damp.
2	NA	S-1	0-4	70	NA	0.0 0.0		Brown Silty SAND, some Gravel and Rock Fragments, Damp.
3						0.0		
4						0.0		
5						0.0 0.0		... some Clay.
6		S-2	4-8	90		0.0		... moist at 5.5 feet.
7						0.0		
8								
9		S-3	8-9.3	90		0.0 0.0 0.0		... wet at 9 feet.
10								Refusal at 9.3'.
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s043.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-44

Project: Charlotte Street
DAY Representative: D. Noll
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/02/00
Completion Date: 11/02/00
Borehole Diameter: 2.25 inches
Borehole Depth: 9 feet
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	70	NA	0.0		Brown Silt, Sand, Gravel, Brick, Ash, Rock Fragments (FILL) Damp.
2						0.0		
3						0.0		
4						0.0		
5		S-2	4-8	60		0.0		Brown Silty SAND, some Gravel and Clay, Moist at 6 feet.
6						0.0		
7						0.0		
8		S-3	8-9	50		0.0		... Rock Fragments.
9						0.0		Refusal at 9'.
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s044.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-45

Project: Charlotte Street
DAY Representative: D. Noll
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/02/00
Completion Date: 11/02/00
Borehole Diameter: 2.25 inches
Borehole Depth: 11.2 feet
Water Level: 10 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown Silt, Sand, Gravel, Rock Fragments, Roots, Brick (FILL) Damp.
2	NA	S-1	0-4	50	NA	0.0		
3						0.0		
4						0.0		
5						0.0		
6		S-2	4-8	60		0.0		Brown Silty SAND, some Gravel and Clay.
7						0.0		... Moist at 6 feet.
8						0.0		... Seam of Sandy GRAVEL at 7.5 feet.
9						0.0		
10		S-3	8-11.2	50		0.0		... Wet at 10 feet.
11						0.0		... Rock Fragments.
12								Refusal at 11.2'.
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s045.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-46

Project: Charlotte Street
DAY Representative: D. Noll
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/02/00
Completion Date: 11/02/00
Borehole Diameter: 2.25 inches
Borehole Depth: 8.8 feet
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Black Cinders, Ash, Brick, Silt, Sand, Gravel, Damp (FILL).
2	NA	S-1	0-4	75	NA	0.0		Brown Silty SAND, little Gravel and Clay.
3						0.0		
4						0.0		
5						0.0		
6		S-2	4-8	50		0.0		... some Gravel.
7						0.0		
8						0.0		... moist at 7 feet.
		S-3	8-8.8	80		0.0		... some Clay.
9								Refusal at 8.8'.
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s046.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-47

Project: Charlotte Street
DAY Representative: D. Noll
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/02/00
Completion Date: 11/02/00
Borehole Diameter: 2.25 inches
Borehole Depth: 10 feet
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	60	NA	0.0		Brown Silt, Sand, Gravel, Wood, Brick, Ash, Cinders, Rock Fragments, Damp (FILL).
2						0.0		
3						0.0		
4						0.0		
5		S-2	4-8	30		0.0		
6						0.0		
7						0.0		
8						0.0		
9		S-3	8-10	70		0.0		Brown Silty SAND and GRAVEL, moist.
10						0.0		Refusal at 10'.
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s047.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-48

Project: Charlotte Street
DAY Representative: D. Noll
Drilling Contractor: Nothnagle Drilling
Drilling Rig: Diedrich
Sampling Method: Direct Push Geoprobe
Completion Method: Backfilled with cuttings

Project No: 2412S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/02/00
Completion Date: 11/02/00
Borehole Diameter: 2.25 inches
Borehole Depth: 11 feet
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown to Black Cinders, Brick, Ash, Silt, Sand, Gravel (FILL), Damp.
						0.0		
2	NA	S-1	0-4	70	NA			Brown Silty SAND, some Gravel and Clay, Rock Fragments, moist.
3						0.0		
4						0.0		
						0.0		
5						0.0		
6		S-2	4-8	40		0.0		
7						0.0		
8								
						2.1		
9						2.4		
		S-3	8-11	70		492		
10								... Staining and petroleum odor at 10 feet.
						192		
11								Refusal at 11'.
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s048.log

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-49

Project: Charlotte Street
Project No: 2412S-00
DAY Representative: D. Noll
Boring Location: See Site Plan
Drilling Contractor: Nothnagle Drilling
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Diedrich
Start Date: 11/02/00
Completion Date: 11/02/00
Sampling Method: Direct Push Geoprobe
Borehole Diameter: 2.25 inches
Borehole Depth: 9.2 feet
Completion Method: Backfilled with cuttings
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Gray and Black Gravel, Asphalt, Sand, Silt, Rock Fragments, Damp (FILL).
2	NA	S-1	0-4	50	NA	0.0		Brown Silty SAND with Gravel and Clay.
3						0.0		
4						0.0		
5						0.0		
6		S-2	4-8	60		0.2		... moist at 6 feet.
7						0.1		
8						0.1		
9		S-3	8-9.2			0.8		
10								Refusal at 9.2'.
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 2412s049.log

APPENDIX D

Well Development Logs and Well Sampling Logs

WELL DEVELOPMENT DATA
MW- 13

SITE LOCATION: Right-of-Way, Haags Alley, Rochester, NY JOB#: 2412S-00

DATE/ TIME	11/10/00	1025	1055	1130	1200	1245	1255	1257
EVACUATION METHOD	Centrifugal Pump	→	→	→	→	→	→	→
PID (PPM)	403	NC	NC	NC	NC	NC	NC	NC
DEPTH OF WELL (FT)	14.49	NC	NC	NC	NC	NC	NC	NC
STATIC WATER LEVEL (SWL) FT	7.57	NC	NC	NC	NC	NC	NC	NC
VOLUME EVACUATED (GAL)		Initial	15	15	27	33	5	2
TOTAL VOLUME EVACUATED (GAL)		Initial	15	30	57	90	95	97
TEMPERATURE (^{O}F)		71.1	73.1	70.5	70.7	68.1	67.8	68.6
pH		7.22	7.24	6.92	7.08	6.93	6.87	6.83
CONDUCTIVITY (umho/cm)		1542	1567	2130	2160	1474	1472	1566
TURBIDITY (NTU)		NC	NC	NC	NC	NC	NC	NC
VISUAL OBSERVATION		Muddy appearance, weathered petroleum odor	Yellowish color, weathered petroleum odor, turbid	Slightly yellow, turbid	Slightly yellow, clearing	Slightly yellow	Slightly yellow	Slightly yellow

LEGEND: NC = Not Collected
ND = Not Detected

Day Environmental, Inc.
2144 Brighton-Henrietta Town Line Road
Rochester, New York 14623

WELL DEVELOPMENT DATA
MW- 13

SITE LOCATION: Right-of-Way, Haags Alley, Rochester, NY JOB#: 2412S-00

DATE/ TIME	11/10/00 1300	1305	1310	1315				
EVACUATION METHOD	Centrifugal Pump	→	→	→				
PID (PPM)	NC	NC	NC	NC				
DEPTH OF WELL (FT)	NC	NC	NC	NC				
STATIC WATER LEVEL (SWL) FT	NC	NC	NC	NC				
VOLUME EVACUATED (GAL)	3	3	2	5				
TOTAL VOLUME EVACUATED (GAL)	100	103	105	110				
TEMPERATURE (^{O}F)	70.0	68.3	65.5	66.2				
pH	6.84	6.83	6.80	6.81				
CONDUCTIVITY (umho/cm)	1597	1542	1509	1521				
TURBIDITY (NTU)		NC	NC	NC				
VISUAL OBSERVATION	Slightly cloudy, yellowish in color	Slightly cloudy, yellowish in color	Slightly cloudy, yellowish in color	Slightly cloudy, yellowish in color				

LEGEND: NC = Not Collected
ND = Not Detected

Day Environmental, Inc.
2144 Brighton-Henrietta Town Line Road
Rochester, New York 14623

WELL DEVELOPMENT DATA
MW- 14

SITE LOCATION: Right-of-Way, Charlotte Street, Rochester, NY JOB#: 2412S-00

DATE/ TIME	11/9/00	1440	1455	1510	1525	1540	1555	1620
EVACUATION METHOD	Centrifugal Pump	→	→	→	→	→	→	→
PID (PPM)	0.0	NC	NC	NC	NC	NC	NC	NC
DEPTH OF WELL (FT)	13.84	NC	NC	NC	NC	NC	NC	NC
STATIC WATER LEVEL (SWL) FT	8.93	NC	NC	NC	NC	NC	NC	NC
VOLUME EVACUATED (GAL)		2	6	4	4	6	3	10
TOTAL VOLUME EVACUATED (GAL)		2	8	12	16	22	25	35 (Dry)
TEMPERATURE (^{O}F)		74.8	74.4	71.4	77.4	69.9	78.4	70.8
pH		7.84	8.01	8.07	8.01	8.06	8.05	8.19
CONDUCTIVITY (umho/cm)		768	759	731	801	694	779	741
TURBIDITY (NTU)		NC	NC	NC	NC	NC	NC	NC
VISUAL OBSERVATION		Muddy, suspended fines	Turbid	Turbid	Turbid	Turbid	Clearing	Clearing

LEGEND: NC = Not Collected
ND = Not Detected

Day Environmental, Inc.
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Rochester, New York 14623

WELL DEVELOPMENT DATA
MW- 14

SITE LOCATION: Right-of-Way, Charlotte Street, Rochester, NY JOB#: 2412S-00

DATE/ TIME	11/10/00	1355	1450	1510	1520	1525	1530	
EVACUATION METHOD	Centrifugal Pump	→	→	→	→	→	→	
PID (PPM)	2.7	NC	NC	NC	NC	NC	NC	
DEPTH OF WELL (FT)	13.84	NC	NC	NC	NC	NC	NC	
STATIC WATER LEVEL (SWL) FT	8.91	NC	NC	NC	NC	NC	NC	
VOLUME EVACUATED (GAL)		1	17	7	6	4	1	
TOTAL VOLUME EVACUATED (GAL)		1.0	18	25	31	35	36 (Dry)	
TEMPERATURE (^{O}F)		69.4	71.5	70.4	77.3	71.6	NC	
pH		7.21	7.67	7.78	7.74	7.82	NC	
CONDUCTIVITY (umho/cm)		716	686	674	742	764	NC	
TURBIDITY (NTU)		NC	NC	NC	NC	NC	NC	
VISUAL OBSERVATION		Turbid	Turbid	Turbid	Clearing	Clearing	Muddy	

LEGEND: NC = Not Collected
ND = Not Detected

Day Environmental, Inc.
2144 Brighton-Henrietta Town Line Road
Rochester, New York 14623

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-1

SECTION 1 - SITE INFORMATION

SITE LOCATION: 14-60 Charlotte Street, Rochester, NY **JOB #:** 2412S-00

PROJECT NAME: Supplemental Environmental Studies **DATE :** 12/7/00

SAMPLE COLLECTOR(S): ARF

WEATHER CONDITIONS: Cloudy, ~18°F **PID IN WELL (PPM):** NC

SECTION 2 – PURGE INFORMATION

DEPTH OF WELL [FT]: 9.31 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 8.25 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 1.06 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.07 **CASING DIA.:** 1.25"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	**0.063**
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 0.21 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~0.5

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1440 **END:** 1450

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
2412-MW01	12-8-00 / 0905	3' Disposable Bailer	8260 TCL + STARS TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
8.29	43.5	6.65	1992	NC	NC

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-4

SECTION 1 - SITE INFORMATION

SITE LOCATION: 14-60 Charlotte Street, Rochester, NY **JOB #:** 2412S-00

PROJECT NAME: Supplemental Environmental Studies **DATE :** 12/11/00

SAMPLE COLLECTOR(S): ARF

WEATHER CONDITIONS: Cloudy, ~35°F **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 8.13 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 7.22 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 0.91 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.057 **CASING DIA.:** 1.25"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	**0.063**
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 0.17 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~0.5

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1150 **END:** 1155

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
2412-MW04	12-11-00 / 1310	3' Disposable Bailer	8260 TCL + STARS TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
7.20	8.0	7.33	NC	NC	NC

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-5

SECTION 1 - SITE INFORMATION

SITE LOCATION: 14-60 Charlotte Street, Rochester, NY **JOB #:** 2412S-00

PROJECT NAME: Supplemental Environmental Studies **DATE :** 12/8/00

SAMPLE COLLECTOR(S): ARF

WEATHER CONDITIONS: Cloudy, ~18°F **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 9.08 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 7.16 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 1.92 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.12 **CASING DIA.:** 1.25"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	**0.063**
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 0.36 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~0.5

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 0940 **END:** 0950

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
2412-MW05	12-8-00 / 1030	3' Disposable Bailer	8260 TCL + STARS TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
7.16	39.8	6.32	916	NC	NC

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-6

SECTION 1 - SITE INFORMATION

SITE LOCATION: 14-60 Charlotte Street, Rochester, NY **JOB #:** 2412S-00

PROJECT NAME: Supplemental Environmental Studies **DATE :** 12/6/00

SAMPLE COLLECTOR(S): JJD

WEATHER CONDITIONS: Cloudy, ~18°F **PID IN WELL (PPM):** 0.6

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 13.09 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 9.41 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 3.68 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.60 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	**0.1632**
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 1.80 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~2

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1322 **END:** 1332

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
2412-MW06	12-6-00 / 1630	3' Disposable Bailer	8260 TCL + STARS TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
9.35	41.3	6.03	1015	NC	NC

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-7

SECTION 1 - SITE INFORMATION

SITE LOCATION: 14-60 Charlotte Street, Rochester, NY **JOB #:** 2412S-00

PROJECT NAME: Supplemental Environmental Studies **DATE :** 12/6/00

SAMPLE COLLECTOR(S): ARF

WEATHER CONDITIONS: Cloudy, ~18°F **PID IN WELL (PPM):** 0.2

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 12.02 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 10.11 (MEASURED FROM T.O.C.) **8.04 (Top of LNAPL)**

DEPTH OF WATER COLUMN [FT]: 1.91 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.31 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	**0.1632**
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 0.93 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~1

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1348 **END:** 1358

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
2412-MW07	12-6-00 / 1615	3' Disposable Bailer	8260 TCL + STARS TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
8.13	44.3	6.49	9.48	NC	Floating and sinking product

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-10

SECTION 1 - SITE INFORMATION

SITE LOCATION: 14-60 Charlotte Street, Rochester, NY **JOB #:** 2412S-00

PROJECT NAME: Supplemental Environmental Studies **DATE :** 12/6/00

SAMPLE COLLECTOR(S): ARF

WEATHER CONDITIONS: Cloudy, ~18°F **PID IN WELL (PPM):** 0.9

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 14.56 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 7.76 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 6.80 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 1.11 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	**0.1632**
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS

VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

Slight Petroleum odor on water during purge. No visible sheen

CALCULATED PURGE VOLUME [GAL]: 3.33 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~3.5

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1343 **END:** 1349

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
2412-MW10	12-7-00 / 0910	3' Disposable Bailer	8260 TCL + STARS TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
7.79	50.5	5.85	987	NC	NC

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-11

SECTION 1 - SITE INFORMATION

SITE LOCATION: 14-60 Charlotte Street, Rochester, NY **JOB #:** 2412S-00

PROJECT NAME: Supplemental Environmental Studies **DATE :** 12/6/00

SAMPLE COLLECTOR(S): ARF

WEATHER CONDITIONS: Cloudy, ~18°F **PID IN WELL (PPM):** 0.1

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 14.36 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 7.34 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 7.02 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 1.15 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	**0.1632**
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 3.45 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~4.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1552 **END:** 1602

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
2412-MW11	12-7-00 / 0920	3' Disposable Bailer	8260 TCL + STARS TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
7.39	47.8	5.82	1182	NC	NC

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-12

SECTION 1 - SITE INFORMATION

SITE LOCATION: 14-60 Charlotte Street, Rochester, NY **JOB #:** 2412S-00

PROJECT NAME: Supplemental Environmental Studies **DATE :** 12/6/00

SAMPLE COLLECTOR(S): ARF

WEATHER CONDITIONS: Cloudy, ~18°F **PID IN WELL (PPM):** 0.0

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 12.09 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 7.72 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 4.37 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.71 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	**0.1632**
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

Slight Petroleum odor on water during purge. No visible sheen

CALCULATED PURGE VOLUME [GAL]: 2.13 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~3.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1320 **END:** 1330

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
2412-MW12	12-7-00 / 0830	3' Disposable Bailer	8260 TCL + STARS TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
7.71	46.9	5.35	1190	NC	NC

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-13

SECTION 1 - SITE INFORMATION

SITE LOCATION: 14-60 Charlotte Street, Rochester, NY **JOB #:** 2412S-00

PROJECT NAME: Supplemental Environmental Studies **DATE :** 12/6/00

SAMPLE COLLECTOR(S): ARF

WEATHER CONDITIONS: Cloudy, ~18°F **PID IN WELL (PPM):** 64.2

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 14.54 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 7.36 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 7.18 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 1.17 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	**0.1632**
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS

VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

Strong weathered petroleum odor on water during purge. No visible sheen

CALCULATED PURGE VOLUME [GAL]: 3.51 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~4.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1305 **END:** 1315

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
2412-MW13	12-7-00 / 0850	3' Disposable Bailer	8260 TCL + STARS TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
7.39	45.3	5.81	1543	NC	NC

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-14

SECTION 1 - SITE INFORMATION

SITE LOCATION: 14-60 Charlotte Street, Rochester, NY **JOB #:** 2412S-00

PROJECT NAME: Supplemental Environmental Studies **DATE :** 12/6/00

SAMPLE COLLECTOR(S): ARF

WEATHER CONDITIONS: Cloudy, ~18°F **PID IN WELL (PPM):** 0.3

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 13.93 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 8.68 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 5.25 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.86 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	**0.1632**
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 2.58 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~3.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1335 **END:** 1345

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
2412-MW14	12-6-00 / 1640	3' Disposable Bailer	8260 TCL + STARS TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
8.68	43.7	6.18	591	NC	NC

APPENDIX E

Analytical Laboratory Data

Soil Samples

PARADIGM
Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Soil/Solid Matrix

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9207
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	10/31/2000
Field Location:	MW-13 @ 3.5'	**Date Received:**	11/03/2000
Field ID No:	2412-01	**Date Analyzed:**	11/09/2000

Petroleum Hydrocarbon	Result (ug/Kg)	Reporting Limit (ug/Kg)
Light Weight PHC as Mineral Spirits	364,000	8,690
Heavy Weight PHC as Lube Oil	39,600	8,690

N.Y.D.O.H. Analytical Method: 310.13 modified ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002590P1.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Soil/Solid Matrix

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9208
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	10/31/00
Field Location:	MW-13 @ 10.5'	**Date Received:**	11/03/00
Field ID No:	2412-02	**Date Analyzed:**	11/09/00

Petroleum Hydrocarbon	Result (ug/Kg)	Reporting Limit (ug/Kg)
Light Weight PHC as Mineral Spirits	**135,000**	**8,360**

N.Y.D.O.H. Analytical Method: 310.13 modified ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002590P7.XLS

PARADIGM
Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Soil/Solid Matrix

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9209
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	10/31/00
Field Location:	TB-32 @ 10.5'	**Date Received:**	11/3/00
Field ID No:	2412-03	**Date Analyzed:**	11/9/00

Petroleum Hydrocarbon	Result (ug/Kg)	Reporting Limit (ug/Kg)
Light Weight PHC as Mineral Spirits	73,800	8,670
Heavy Weight PHC as Lube Oil	42,700	8,670

N.Y.D.O.H. Analytical Method: 310.13 modified ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002590p2.xls

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Soil/Solid Matrix

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9210
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	10/31/00
Field Location:	TB-33 @ 1.5'	**Date Received:**	11/03/00
Field ID No:	2412-04	**Date Analyzed:**	11/09/00

Petroleum Hydrocarbon	Result (ug/Kg)	Reporting Limit (ug/Kg)
Heavy Weight PHC as Lube Oil	**224,000**	**8,250**

N.Y.D.O.H. Analytical Method: 310.13 modified ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002590P8.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Soil/Solid Matrix

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9211
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	10/31/00
Field Location:	TB-33 @ 9.0'	**Date Received:**	11/03/00
Field ID No:	2412-05	**Date Analyzed:**	11/09/00

Petroleum Hydrocarbon	Result (ug/Kg)	Reporting Limit (ug/Kg)
Medium Weight PHC as Diesel Fuel	98,500	8,570

N.Y.D.O.H. Analytical Method: 310.13 modified ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002590p4.xls

PARADIGM
Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Soil/Solid Matrix

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9212
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	10/31/00
Field Location:	TB-34 @ 8.0'	**Date Received:**	11/03/00
Field ID No:	2412-06	**Date Analyzed:**	11/09/00

Petroleum Hydrocarbon	Result (ug/Kg)	Reporting Limit (ug/Kg)
Medium Weight PHC as Diesel Fuel	805,000	8,160

N.Y.D.O.H. Analytical Method: 310.13 modified ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002590p5.xls

PARADIGM
Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Soil/Solid Matrix

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9213
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	11/01/00
Field Location:	TB-37 @ 9.0'	**Date Received:**	11/03/00
Field ID No:	2412-07	**Date Analyzed:**	11/09/00

Petroleum Hydrocarbon	Result (ug/Kg)	Reporting Limit (ug/Kg)
Medium Weight PHC as Diesel Fuel	77,000	8,270

N.Y.D.O.H. Analytical Method: 310.13 modified ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002590p6.xls

PARADIGM
Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Soil/Solid Matrix

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9214
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	11/01/2000
Field Location:	TB-41 @ 10.5'	**Date Received:**	11/03/2000
Field ID No:	2412-08	**Date Analyzed:**	11/09/2000

Petroleum Hydrocarbon	Result (ug/Kg)	Reporting Limit (ug/Kg)
Light Weight PHC as Mineral Spirits	55,500	10,200
Heavy Weight PHC as Lube Oil	19,500	10,200

N.Y.D.O.H. Analytical Method: 310.13 modified ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002590P3.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Soil/Solid Matrix

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9215
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	11/02/00
Field Location:	TB-48 @ 10.0'	**Date Received:**	11/03/00
Field ID No:	2412-09	**Date Analyzed:**	11/10/00

Petroleum Hydrocarbon	Result (ug/Kg)	Reporting Limit (ug/Kg)
Medium Weight PHC as Diesel Fuel	520,000	7,660

N.Y.D.O.H. Analytical Method: 310.13 modified ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002590p9.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, New York 14608 (716) 647-2530 FAX (716) 647-3311

Semi-Volatile Analysis Report For Solids (STARS List)

Client: Day Environmental
Client Job Site: Charlotte St
Client Job No.: 2412S-00
Field Location: MW-13 @ 3.5'
Field ID No.: 2412-01

Lab Project No. 00-2590
Lab Sample No. 9207
Sample Type: Soil
Date Sampled: 10/31/00
Date Received: 11/03/00
Date Analyzed: 11/10/00

COMPOUND	RESULT (ug/Kg)
Naphthalene	ND< 348
Acenaphthene	ND< 348
Fluorene	ND< 348
Fluoranthene	ND< 348
Anthracene	ND< 348
Phenanthrene	ND< 348
Benzo (a) anthracene	ND< 348
Chrysene	ND< 348
Pyrene	ND< 348
Benzo (b) fluoranthene	ND< 348
Benzo (k) fluoranthene	ND< 348
Benzo (g,h,i) perylene	ND< 348
Benzo (a) pyrene	ND< 348
Dibenz (a,h) anthracene	ND< 348
Indeno (1,2,3-cd) pyrene	ND< 348

Analytical Method: EPA 8270

NYS ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

002590S1.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, New York 14608 (716) 647-2530 FAX (716) 647-3311

Semi-Volatile Analysis Report For Solids (STARS List)

Client: **Day Environmental**
Client Job Site: Charlotte St
Client Job No.: 2412S-00
Field Location: TB-32 @ 10.5'
Field ID No.: 2412-03

Lab Project No. 00-2590
Lab Sample No. 9209
Sample Type: Soil
Date Sampled: 10/31/00
Date Received: 11/03/00
Date Analyzed: 11/10/00

COMPOUND	RESULT (ug/Kg)
Naphthalene	ND< 347
Acenaphthene	ND< 347
Fluorene	ND< 347
Fluoranthene	ND< 347
Anthracene	ND< 347
Phenanthrene	ND< 347
Benzo (a) anthracene	ND< 347
Chrysene	ND< 347
Pyrene	ND< 347
Benzo (b) fluoranthene	ND< 347
Benzo (k) fluoranthene	ND< 347
Benzo (g,h,i) perylene	ND< 347
Benzo (a) pyrene	ND< 347
Dibenz (a,h) anthracene	ND< 347
Indeno (1,2,3-cd) pyrene	ND< 347

Analytical Method: EPA 8270

NYS ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

002590S2.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, New York 14608 (716) 647-2530 FAX (716) 647-3311

Semi-Volatile Analysis Report For Solids (STARS List)

Client: Day Environmental
Client Job Site: Charlotte St
Client Job No.: 2412S-00
Field Location: TB-33 @ 1.5'
Field ID No.: 2412-04

Lab Project No. 00-2590
Lab Sample No. 9210
Sample Type: Soil
Date Sampled: 10/31/00
Date Received: 11/03/00
Date Analyzed: 11/10/00

COMPOUND	RESULT (ug/Kg)
Naphthalene	ND< 330
Acenaphthene	ND< 330
Fluorene	ND< 330
Fluoranthene	ND< 330
Anthracene	ND< 330
Phenanthrene	ND< 330
Benzo (a) anthracene	ND< 330
Chrysene	ND< 330
Pyrene	ND< 330
Benzo (b) fluoranthene	ND< 330
Benzo (k) fluoranthene	ND< 330
Benzo (g,h,i) perylene	ND< 330
Benzo (a) pyrene	ND< 330
Dibenz (a,h) anthracene	ND< 330
Indeno (1,2,3-cd) pyrene	ND< 330

Analytical Method: EPA 8270

NYS ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

002590S3.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, New York 14608 (716) 647-2530 FAX (716) 647-3311

Semi-Volatile Analysis Report For Solids (STARS List)

Client: Day Environmental
Client Job Site: Charlotte St
Client Job No.: 2412S-00
Field Location: TB-41 @ 10.5'
Field ID No.: 2413-08

Lab Project No. 00-2590
Lab Sample No. 9214
Sample Type: Soil
Date Sampled: 11/01/00
Date Received: 11/03/00
Date Analyzed: 11/10/00

COMPOUND	RESULT (ug/Kg)
Naphthalene	ND< 407
Acenaphthene	ND< 407
Fluorene	ND< 407
Fluoranthene	ND< 407
Anthracene	ND< 407
Phenanthrene	ND< 407
Benzo (a) anthracene	ND< 407
Chrysene	ND< 407
Pyrene	ND< 407
Benzo (b) fluoranthene	ND< 407
Benzo (k) fluoranthene	ND< 407
Benzo (g,h,i) perylene	ND< 407
Benzo (a) pyrene	ND< 407
Dibenz (a,h) anthracene	ND< 407
Indeno (1,2,3-cd) pyrene	ND< 407

Analytical Method: EPA 8270

NYS ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

002590S4.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Day Environmental	**Lab Project No:**	00-2590
		Lab Sample No:	9207
Client Job Site:	Charlotte St.		
		Sample Type:	Soil
Client Job No:	2412S-00		
		Date Sampled:	10/31/00
Field Location:	MW-13@3.5'	**Date Received:**	11/3/00
Field ID No:	2412-01	**Date Analyzed:**	11/10/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 76.6	Benzene	ND< 76.6
Bromomethane	ND< 76.6	Chlorobenzene	ND< 76.6
Bromoform	ND< 76.6	Ethylbenzene	ND< 76.6
Carbon tetrachloride	ND< 76.6	Toluene	ND< 76.6
Chloroethane	ND< 76.6	m,p - Xylene	ND< 76.6
Chloromethane	ND< 76.6	o - Xylene	ND< 76.6
2-Chloroethyl vinyl ether	ND< 76.6	Styrene	ND< 76.6
Chloroform	ND< 76.6		
Dibromochloromethane	ND< 76.6		
1,1-Dichloroethane	ND< 76.6		
1,2-Dichloroethane	ND< 76.6		
1,1-Dichloroethene	ND< 76.6		
cis-1,2-Dichloroethene	ND< 76.6		
trans-1,2-Dichloroethene	ND< 76.6	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 76.6	Acetone	ND< 383
cis-1,3-Dichloropropene	ND< 76.6	Vinyl acetate	ND< 192
trans-1,3-Dichloropropene	ND< 76.6	2-Butanone	ND< 192
Methylene chloride	ND< 192	4-Methyl-2-pentanone	ND< 192
1,1,2,2-Tetrachloroethane	ND< 76.6	2-Hexanone	ND< 192
Tetrachloroethene	ND< 76.6	Carbon disulfide	ND< 192
1,1,1-Trichloroethane	ND< 76.6		
1,1,2-Trichloroethane	ND< 76.6		
Trichloroethene	ND< 76.6		
Vinyl Chloride	ND< 76.6		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected
Detection limits elevated due to non-target hydrocarbons

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Soil/Sludge

(Additional 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9207
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	10/31/00
Field Location:	MW-13 @ 3.5'	**Date Received:**	11/03/00
Field ID No.:	2412-01	**Date Analyzed:**	11/09/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 77.2
Isopropylbenzene	570
n-Propylbenzene	1,640
1,3,5-Trimethylbenzene	ND< 77.2
tert-Butylbenzene	ND< 77.2
1,2,4-Trimethylbenzene	10,200
sec-Butylbenzene	1,970
p-Isopropyltoluene	ND< 77.2
n-Butylbenzene	1,490
Naphthalene	ND< 193

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Day Environmental
Client Job Site: Charlotte St.
Client Job No: 2412S-00
Field Location: MW-13@10.5'
Field ID No: 2412-02

Lab Project No: 00-2590
Lab Sample No: 9208
Sample Type: Soil
Date Sampled: 10/31/00
Date Received: 11/3/00
Date Analyzed: 11/10/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 78.2
Bromomethane	ND< 78.2
Bromoform	ND< 78.2
Carbon tetrachloride	ND< 78.2
Chloroethane	ND< 78.2
Chloromethane	ND< 78.2
2-Chloroethyl vinyl ether	ND< 78.2
Chloroform	ND< 78.2
Dibromochloromethane	ND< 78.2
1,1-Dichloroethane	ND< 78.2
1,2-Dichloroethane	ND< 78.2
1,1-Dichloroethene	ND< 78.2
cis-1,2-Dichloroethene	ND< 78.2
trans-1,2-Dichloroethene	ND< 78.2
1,2-Dichloropropane	ND< 78.2
cis-1,3-Dichloropropene	ND< 78.2
trans-1,3-Dichloropropene	ND< 78.2
Methylene chloride	ND< 196
1,1,2,2-Tetrachloroethane	ND< 78.2
Tetrachloroethene	ND< 78.2
1,1,1-Trichloroethane	ND< 78.2
1,1,2-Trichloroethane	ND< 78.2
Trichloroethene	ND< 78.2
Vinyl Chloride	ND< 78.2

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 78.2
Chlorobenzene	ND< 78.2
Ethylbenzene	ND< 78.2
Toluene	ND< 78.2
m,p - Xylene	ND< 78.2
o - Xylene	ND< 78.2
Styrene	ND< 78.2
Ketones & Misc.	
Acetone	ND< 391
Vinyl acetate	ND< 196
2-Butanone	ND< 196
4-Methyl-2-pentanone	ND< 196
2-Hexanone	ND< 196
Carbon disulfide	ND< 196

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected
Detection limits elevated due to non-target hydrocarbons

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Soil/Sludge

(Additional 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9208
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	10/31/00
Field Location:	MW-13 @ 10.5'	**Date Received:**	11/03/00
Field ID No.:	2412-02	**Date Analyzed:**	11/10/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 78.2
Isopropylbenzene	ND< 78.2
n-Propylbenzene	ND< 78.2
1,3,5-Trimethylbenzene	ND< 78.2
tert-Butylbenzene	ND< 78.2
1,2,4-Trimethylbenzene	ND< 78.2
sec-Butylbenzene	290
p-Isopropyltoluene	292
n-Butylbenzene	ND< 78.2
Naphthalene	ND< 196

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
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179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Day Environmental
Client Job Site: Charlotte St.
Client Job No: 2412S-00
Field Location: TB-32@10.5'
Field ID No: 2412-03

Lab Project No: 00-2590
Lab Sample No: 9209
Sample Type: Soil
Date Sampled: 10/31/00
Date Received: 11/3/00
Date Analyzed: 11/10/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 77.9
Bromomethane	ND< 77.9
Bromoform	ND< 77.9
Carbon tetrachloride	ND< 77.9
Chloroethane	ND< 77.9
Chloromethane	ND< 77.9
2-Chloroethyl vinyl ether	ND< 77.9
Chloroform	ND< 77.9
Dibromochloromethane	ND< 77.9
1,1-Dichloroethane	ND< 77.9
1,2-Dichloroethane	ND< 77.9
1,1-Dichloroethene	ND< 77.9
cis-1,2-Dichloroethene	ND< 77.9
trans-1,2-Dichloroethene	ND< 77.9
1,2-Dichloropropane	ND< 77.9
cis-1,3-Dichloropropene	ND< 77.9
trans-1,3-Dichloropropene	ND< 77.9
Methylene chloride	ND< 195
1,1,2,2-Tetrachloroethane	ND< 77.9
Tetrachloroethene	ND< 77.9
1,1,1-Trichloroethane	ND< 77.9
1,1,2-Trichloroethane	ND< 77.9
Trichloroethene	ND< 77.9
Vinyl Chloride	ND< 77.9

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 77.9
Chlorobenzene	ND< 77.9
Ethylbenzene	ND< 77.9
Toluene	ND< 77.9
m,p - Xylene	ND< 77.9
o - Xylene	ND< 77.9
Styrene	ND< 77.9
Ketones & Misc.	
Acetone	ND< 389
Vinyl acetate	ND< 195
2-Butanone	ND< 195
4-Methyl-2-pentanone	ND< 195
2-Hexanone	ND< 195
Carbon disulfide	ND< 195

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected
Detection limits elevated due to non-target hydrocarbons

Approved By _____
Laboratory Director

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Volatile Aromatic Analysis Report For Soil/Sludge

(Additional 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9209
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	10/31/00
Field Location:	TB-32 @ 10.5'	**Date Received:**	11/03/00
Field ID No.:	2412-03	**Date Analyzed:**	11/10/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 77.9
Isopropylbenzene	ND< 77.9
n-Propylbenzene	ND< 77.9
1,3,5-Trimethylbenzene	ND< 77.9
tert-Butylbenzene	ND< 77.9
1,2,4-Trimethylbenzene	ND< 77.9
sec-Butylbenzene	ND< 77.9
p-Isopropyltoluene	ND< 77.9
n-Butylbenzene	ND< 77.9
Naphthalene	ND< 195

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected
Detection Limit elevated due to non-target hydrocarbons

Approved By: _____
Laboratory Director

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Day Environmental
Client Job Site: Charlotte St.
Client Job No: 2412S-00
Field Location: TB-33@1.5'
Field ID No: 2412-04

Lab Project No: 00-2590
Lab Sample No: 9210
Sample Type: Soil
Date Sampled: 10/31/00
Date Received: 11/3/00
Date Analyzed: 11/10/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 9.44
Bromomethane	ND< 9.44
Bromoform	ND< 9.44
Carbon tetrachloride	ND< 9.44
Chloroethane	ND< 9.44
Chloromethane	ND< 9.44
2-Chloroethyl vinyl ether	ND< 9.44
Chloroform	ND< 9.44
Dibromochloromethane	ND< 9.44
1,1-Dichloroethane	ND< 9.44
1,2-Dichloroethane	ND< 9.44
1,1-Dichloroethene	ND< 9.44
cis-1,2-Dichloroethene	ND< 9.44
trans-1,2-Dichloroethene	ND< 9.44
1,2-Dichloropropane	ND< 9.44
cis-1,3-Dichloropropene	ND< 9.44
trans-1,3-Dichloropropene	ND< 9.44
Methylene chloride	ND< 23.6
1,1,2,2-Tetrachloroethane	ND< 9.44
Tetrachloroethene	ND< 9.44
1,1,1-Trichloroethane	ND< 9.44
1,1,2-Trichloroethane	ND< 9.44
Trichloroethene	ND< 9.44
Vinyl Chloride	ND< 9.44

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 9.44
Chlorobenzene	ND< 9.44
Ethylbenzene	ND< 9.44
Toluene	ND< 9.44
m,p - Xylene	ND< 9.44
o - Xylene	ND< 9.44
Styrene	ND< 9.44
Ketones & Misc.	
Acetone	ND< 47.2
Vinyl acetate	ND< 23.6
2-Butanone	ND< 23.6
4-Methyl-2-pentanone	ND< 23.6
2-Hexanone	ND< 23.6
Carbon disulfide	ND< 23.6

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

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Volatile Aromatic Analysis Report For Soil/Sludge

(Additional 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9210
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	10/31/00
Field Location:	TB-33 @ 1.5'	**Date Received:**	11/03/00
Field ID No.:	2412-04	**Date Analyzed:**	11/10/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 9.44
Isopropylbenzene	ND< 9.44
n-Propylbenzene	ND< 9.44
1,3,5-Trimethylbenzene	ND< 9.44
tert-Butylbenzene	ND< 9.44
1,2,4-Trimethylbenzene	ND< 9.44
sec-Butylbenzene	ND< 9.44
p-Isopropyltoluene	ND< 9.44
n-Butylbenzene	ND< 9.44
Naphthalene	ND< 23.6

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Day Environmental
Client Job Site: Charlotte St.
Client Job No: 2412S-00
Field Location: TB-33@9.0'
Field ID No: 2412-05

Lab Project No: 00-2590
Lab Sample No: 9211
Sample Type: Soil
Date Sampled: 10/31/00
Date Received: 11/3/00
Date Analyzed: 11/10/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 12.1
Bromomethane	ND< 12.1
Bromoform	ND< 12.1
Carbon tetrachloride	ND< 12.1
Chloroethane	ND< 12.1
Chloromethane	ND< 12.1
2-Chloroethyl vinyl ether	ND< 12.1
Chloroform	ND< 12.1
Dibromochloromethane	ND< 12.1
1,1-Dichloroethane	ND< 12.1
1,2-Dichloroethane	ND< 12.1
1,1-Dichloroethene	ND< 12.1
cis-1,2-Dichloroethene	ND< 12.1
trans-1,2-Dichloroethene	ND< 12.1
1,2-Dichloropropane	ND< 12.1
cis-1,3-Dichloropropene	ND< 12.1
trans-1,3-Dichloropropene	ND< 12.1
Methylene chloride	ND< 30.2
1,1,2,2-Tetrachloroethane	ND< 12.1
Tetrachloroethene	ND< 12.1
1,1,1-Trichloroethane	ND< 12.1
1,1,2-Trichloroethane	ND< 12.1
Trichloroethene	ND< 12.1
Vinyl Chloride	ND< 12.1

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 12.1
Chlorobenzene	ND< 12.1
Ethylbenzene	ND< 12.1
Toluene	ND< 12.1
m,p - Xylene	ND< 12.1
o - Xylene	ND< 12.1
Styrene	ND< 12.1
Ketones & Misc.	
Acetone	ND< 60.4
Vinyl acetate	ND< 30.2
2-Butanone	ND< 30.2
4-Methyl-2-pentanone	ND< 30.2
2-Hexanone	ND< 30.2
Carbon disulfide	ND< 30.2

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

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Volatile Aromatic Analysis Report For Soil/Sludge

(Additional 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9211
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	10/31/00
Field Location:	TB-33 @ 9.0'	**Date Received:**	11/03/00
Field ID No.:	2412-05	**Date Analyzed:**	11/10/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 12.1
Isopropylbenzene	ND< 12.1
n-Propylbenzene	ND< 12.1
1,3,5-Trimethylbenzene	ND< 12.1
tert-Butylbenzene	ND< 12.1
1,2,4-Trimethylbenzene	ND< 12.1
sec-Butylbenzene	ND< 12.1
p-Isopropyltoluene	ND< 12.1
n-Butylbenzene	ND< 12.1
Naphthalene	ND< 30.3

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Day Environmental
Client Job Site: Charlotte St.
Client Job No: 2412S-00
Field Location: TB-34@8.0'
Field ID No: 2412-06

Lab Project No: 00-2590
Lab Sample No: 9212
Sample Type: Soil
Date Sampled: 10/31/2000
Date Received: 11/03/2000
Date Analyzed: 11/10/2000

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 61.7
Bromomethane	ND< 61.7
Bromoform	ND< 61.7
Carbon tetrachloride	ND< 61.7
Chloroethane	ND< 61.7
Chloromethane	ND< 61.7
2-Chloroethyl vinyl ether	ND< 61.7
Chloroform	ND< 61.7
Dibromochloromethane	ND< 61.7
1,1-Dichloroethane	ND< 61.7
1,2-Dichloroethane	ND< 61.7
1,1-Dichloroethene	ND< 61.7
cis-1,2-Dichloroethene	ND< 61.7
trans-1,2-Dichloroethene	ND< 61.7
1,2-Dichloropropane	ND< 61.7
cis-1,3-Dichloropropene	ND< 61.7
trans-1,3-Dichloropropene	ND< 61.7
Methylene chloride	ND< 154
1,1,2,2-Tetrachloroethane	ND< 61.7
Tetrachloroethene	ND< 61.7
1,1,1-Trichloroethane	ND< 61.7
1,1,2-Trichloroethane	ND< 61.7
Trichloroethene	ND< 61.7
Vinyl Chloride	ND< 61.7

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 61.7
Chlorobenzene	ND< 61.7
Ethylbenzene	ND< 61.7
Toluene	ND< 61.7
m,p - Xylene	ND< 61.7
o - Xylene	ND< 61.7
Styrene	ND< 61.7
Ketones & Misc.	
Acetone	ND< 309
Vinyl acetate	ND< 154
2-Butanone	ND< 154
4-Methyl-2-pentanone	ND< 154
2-Hexanone	ND< 154
Carbon disulfide	ND< 154

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected
Detection Limits elevated due to non-target hydrocarbons

Approved By _____
Laboratory Director

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Volatile Aromatic Analysis Report For Soil/Sludge

(Additional 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9212
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	10/31/00
Field Location:	TB-34 @ 8.0'	**Date Received:**	11/03/00
Field ID No.:	2412-06	**Date Analyzed:**	11/10/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 62.0
Isopropylbenzene	ND< 62.0
n-Propylbenzene	ND< 62.0
1,3,5-Trimethylbenzene	ND< 62.0
tert-Butylbenzene	ND< 62.0
1,2,4-Trimethylbenzene	ND< 62.0
sec-Butylbenzene	145
p-Isopropyltoluene	ND< 62.0
n-Butylbenzene	ND< 62.0
Naphthalene	ND< 155

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Day Environmental	**Lab Project No:**	00-2590
		Lab Sample No:	9213
Client Job Site:	Charlotte St.		
		Sample Type:	Soil
Client Job No:	2412S-00		
		Date Sampled:	11/01/2000
Field Location:	TB-37@9.0'	**Date Received:**	11/03/2000
Field ID No:	2412-07	**Date Analyzed:**	11/10/2000

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 52.5	Benzene	ND< 52.5
Bromomethane	ND< 52.5	Chlorobenzene	ND< 52.5
Bromoform	ND< 52.5	Ethylbenzene	ND< 52.5
Carbon tetrachloride	ND< 52.5	Toluene	ND< 52.5
Chloroethane	ND< 52.5	m,p - Xylene	ND< 52.5
Chloromethane	ND< 52.5	o - Xylene	ND< 52.5
2-Chloroethyl vinyl ether	ND< 52.5	Styrene	ND< 52.5
Chloroform	ND< 52.5		
Dibromochloromethane	ND< 52.5		
1,1-Dichloroethane	ND< 52.5		
1,2-Dichloroethane	ND< 52.5		
1,1-Dichloroethene	ND< 52.5		
cis-1,2-Dichloroethene	ND< 52.5		
trans-1,2-Dichloroethene	ND< 52.5	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 52.5	Acetone	ND< 263
cis-1,3-Dichloropropene	ND< 52.5	Vinyl acetate	ND< 131
trans-1,3-Dichloropropene	ND< 52.5	2-Butanone	ND< 131
Methylene chloride	ND< 131	4-Methyl-2-pentanone	ND< 131
1,1,2,2-Tetrachloroethane	ND< 52.5	2-Hexanone	ND< 131
Tetrachloroethene	ND< 52.5	Carbon disulfide	ND< 131
1,1,1-Trichloroethane	ND< 52.5		
1,1,2-Trichloroethane	ND< 52.5		
Trichloroethene	ND< 52.5		
Vinyl Chloride	ND< 52.5		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Detection Limits elevated due to non-target hydrocarbons

Approved By _____
Laboratory Director

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Volatile Aromatic Analysis Report For Soil/Sludge

(Additional 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9213
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	11/01/00
Field Location:	TB-37 @ 9.0'	**Date Received:**	11/03/00
Field ID No.:	2412-07	**Date Analyzed:**	11/10/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 52.5
Isopropylbenzene	ND< 52.5
n-Propylbenzene	ND< 52.5
1,3,5-Trimethylbenzene	ND< 52.5
tert-Butylbenzene	ND< 52.5
1,2,4-Trimethylbenzene	ND< 52.5
sec-Butylbenzene	ND< 52.5
p-Isopropyltoluene	ND< 52.5
n-Butylbenzene	ND< 52.5
Naphthalene	ND< 131

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected
Detection Limit elevated due to non-target hydrocarbons

Approved By: _____
Laboratory Director

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Day Environmental
Client Job Site: Charlotte St.
Client Job No: 2412S-00
Field Location: TB-41@10.5'
Field ID No: 2412-08

Lab Project No: 00-2590
Lab Sample No: 9214
Sample Type: Soil
Date Sampled: 11/01/2000
Date Received: 11/03/2000
Date Analyzed: 11/10/2000

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 21.1
Bromomethane	ND< 21.1
Bromoform	ND< 21.1
Carbon tetrachloride	ND< 21.1
Chloroethane	ND< 21.1
Chloromethane	ND< 21.1
2-Chloroethyl vinyl ether	ND< 21.1
Chloroform	ND< 21.1
Dibromochloromethane	ND< 21.1
1,1-Dichloroethane	ND< 21.1
1,2-Dichloroethane	ND< 21.1
1,1-Dichloroethene	ND< 21.1
cis-1,2-Dichloroethene	ND< 21.1
trans-1,2-Dichloroethene	ND< 21.1
1,2-Dichloropropane	ND< 21.1
cis-1,3-Dichloropropene	ND< 21.1
trans-1,3-Dichloropropene	ND< 21.1
Methylene chloride	ND< 52.7
1,1,2,2-Tetrachloroethane	ND< 21.1
Tetrachloroethene	ND< 21.1
1,1,1-Trichloroethane	ND< 21.1
1,1,2-Trichloroethane	ND< 21.1
Trichloroethene	ND< 21.1
Vinyl Chloride	ND< 21.1

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 21.1
Chlorobenzene	ND< 21.1
Ethylbenzene	ND< 21.1
Toluene	ND< 21.1
m,p - Xylene	ND< 21.1
o - Xylene	ND< 21.1
Styrene	ND< 21.1
Ketones & Misc.	
Acetone	ND< 105
Vinyl acetate	ND< 52.7
2-Butanone	ND< 52.7
4-Methyl-2-pentanone	ND< 52.7
2-Hexanone	ND< 52.7
Carbon disulfide	ND< 52.7

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected
Detection Limits elevated due to non-target hydrocarbons

Approved By _____
Laboratory Director

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Volatile Aromatic Analysis Report For Soil/Sludge

(Additional 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9214
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	11/01/00
Field Location:	TB-41 @ 10.5'	**Date Received:**	11/03/00
Field ID No.:	2412-08	**Date Analyzed:**	11/10/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 21.1
Isopropylbenzene	ND< 21.1
n-Propylbenzene	ND< 21.1
1,3,5-Trimethylbenzene	ND< 21.1
tert-Butylbenzene	ND< 21.1
1,2,4-Trimethylbenzene	ND< 21.1
sec-Butylbenzene	ND< 21.1
p-Isopropyltoluene	ND< 21.1
n-Butylbenzene	ND< 21.1
Naphthalene	ND< 52.7

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected
Detection Limit elevated due to non-target hydrocarbons

Approved By: _____
Laboratory Director

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Day Environmental
Client Job Site: Charlotte St.
Client Job No: 2412S-00
Field Location: TB-48@10'
Field ID No: 2412-09

Lab Project No: 00-2590
Lab Sample No: 9215
Sample Type: Soil
Date Sampled: 11/01/2000
Date Received: 11/03/2000
Date Analyzed: 11/10/2000

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 20.9
Bromomethane	ND< 20.9
Bromoform	ND< 20.9
Carbon tetrachloride	ND< 20.9
Chloroethane	ND< 20.9
Chloromethane	ND< 20.9
2-Chloroethyl vinyl ether	ND< 20.9
Chloroform	ND< 20.9
Dibromochloromethane	ND< 20.9
1,1-Dichloroethane	ND< 20.9
1,2-Dichloroethane	ND< 20.9
1,1-Dichloroethene	ND< 20.9
cis-1,2-Dichloroethene	ND< 20.9
trans-1,2-Dichloroethene	ND< 20.9
1,2-Dichloropropane	ND< 20.9
cis-1,3-Dichloropropene	ND< 20.9
trans-1,3-Dichloropropene	ND< 20.9
Methylene chloride	ND< 52.1
1,1,2,2-Tetrachloroethane	ND< 20.9
Tetrachloroethene	ND< 20.9
1,1,1-Trichloroethane	ND< 20.9
1,1,2-Trichloroethane	ND< 20.9
Trichloroethene	ND< 20.9
Vinyl Chloride	ND< 20.9

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 20.9
Chlorobenzene	ND< 20.9
Ethylbenzene	ND< 20.9
Toluene	ND< 20.9
m,p - Xylene	ND< 20.9
o - Xylene	ND< 20.9
Styrene	ND< 20.9
Ketones & Misc.	
Acetone	ND< 104
Vinyl acetate	ND< 52.1
2-Butanone	ND< 52.1
4-Methyl-2-pentanone	ND< 52.1
2-Hexanone	ND< 52.1
Carbon disulfide	ND< 52.1

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected
Detection Limits elevated due to non-target hydrocarbons

Approved By _____
Laboratory Director

002590V9.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Soil/Sludge

(Additional 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2590
		Lab Sample No.:	9215
Client Job Site:	Charlotte St		
		Sample Type:	Soil
Client Job No.:	2412S-00		
		Date Sampled:	11/02/00
Field Location:	TB-48 @ 10.0'	**Date Received:**	11/03/00
Field ID No.:	2412-09	**Date Analyzed:**	11/10/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 20.9
Isopropylbenzene	22.3
n-Propylbenzene	86.9
1,3,5-Trimethylbenzene	ND< 20.9
tert-Butylbenzene	ND< 20.9
1,2,4-Trimethylbenzene	269
sec-Butylbenzene	31.7
p-Isopropyltoluene	40.1
n-Butylbenzene	ND< 20.9
Naphthalene	ND< 52.1

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: DAY Environmental	COMPANY: SAME	LAB PROJECT #: 01-3590 / CLIENT PROJECT #: 24125-00
ADDRESS: 2414 Brighton-Henrietta Townline Rd	ADDRESS:	
CITY: Rochester STATE: NY ZIP: 14623	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: 292-1090 FAX: 292-0425	PHONE: FAX:	STD / OTHER
PROJECT NAME/SITE NAME: Charlotte St.	ATTN: Jeff Danziger	ATTN: 1 2 3 X 5
	COMMENTS:	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	TPH 310.13	TCL+STARS 826	STARS 8270								REMARKS	PARADIGM LAB SAMPLE NUMBER
1	10/31/00	0900		X	MW-13@3.5'/2412-01	Soil	1	X	X	X									92 07
2	10/31/00	0925		X	MW-13@10.5'/2412-02		1	X	X										92 08
3	10/31/00	1400		X	TB-32@10.5'/2412-03		1	X	X	X									92 09
4	10/31/00	1450		X	TB-33@1.5'/2412-04		1	X	X	X									92 10
5	10/31/00	1500		X	TB-33@9.0'/2412-05		1	X	X										92 11
6	10/31/00	1520		X	TB-34@8.0'/2412-06		1	X	X										92 12
7	11/01/00	1340		X	TB-37@9.0'/2412-07		1	X	X										92 13
8	11/01/00	1530		X	TB-41@10.5'/2412-08		1	X	X	X									92 14
9	11/02/00	1455		X	TB-48@10.0'/2412-09		1	X	X										92 15
10																			

LAB USE ONLY

Total Bottles (9)

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: PRESERVATIONS: HOLDING TIME: TEMPERATURE: 16°

Sampled By: Daniel Noll	Date/Time: 11/02/00	Received By:	Date/Time:
Relinquished By:	Date/Time: 11/03/00	Received By:	Date/Time: 11/3/00 13:45
Relinquished By:	Date/Time:	Received @ Lab By:	Date/Time: 11/3/00 @ 14:30

Total Cost:

P.I.F.

Groundwater Samples

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10083
Client Job Site:	14-60 Charlotte St		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/08/2000
Field Location:	MW-1	**Date Received:**	12/08/2000
Field ID No:	2412-01	**Date Analyzed:**	12/14/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Petroleum Hydrocarbon	BDL	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002850P1.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10084
Client Job Site:	14-60 Charlotte St		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/08/2000
Field Location:	MW-5	**Date Received:**	12/08/2000
Field ID No:	2412-02	**Date Analyzed:**	12/14/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Petroleum Hydrocarbon	BDL	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002850P2.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10085
Client Job Site:	14-60 Charlotte St		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/06/2000
Field Location:	MW-6	**Date Received:**	12/08/2000
Field ID No:	2412-03	**Date Analyzed:**	12/14/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Light Weight PHC *	8,430	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit
* The chromatogram did not clearly match available references for positive ID
The sample hydrocarbons showed characteristics of gasoline and/or mineral spirits

Approved By: _____
Laboratory Director

File ID: 002850P3.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10086
Client Job Site:	14-60 Charlotte St		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/06/2000
Field Location:	MW-7	**Date Received:**	12/08/2000
Field ID No:	2412-04	**Date Analyzed:**	12/15/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Medium Weight PHC as Diesel Fuel	**160,000**	**2,500**

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002850P9.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10087
Client Job Site:	14-60 Charlotte St		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/07/2000
Field Location:	MW-10	**Date Received:**	12/08/2000
Field ID No:	2412-05	**Date Analyzed:**	12/15/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Petroleum Hydrocarbon	BDL	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002850P4.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10088
Client Job Site:	14-60 Charlotte St		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/07/2000
Field Location:	MW-11	**Date Received:**	12/08/2000
Field ID No:	2412-06	**Date Analyzed:**	12/15/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Petroleum Hydrocarbon	BDL	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002850P5.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
Client Job Site:	14-60 Charlotte St	**Lab Sample No.:**	10089
Client Job No.:	2412S-00	**Sample Type:**	Water
Field Location:	MW-12	**Date Sampled:**	12/07/2000
Field ID No:	2412-07	**Date Received:**	12/08/2000
		Date Analyzed:	12/15/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Light Weight PHC*	220E	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit
E = Estimated value below Reporting Limit
* The chromatogram did not clearly match available references for positive ID
The sample hydrocarbons showed characteristics of gasoline and/or mineral spirits

Approved By: _____
Laboratory Director

File ID: 002850P6.XLS

PARADIGM
Environmental
Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10090
Client Job Site:	14-60 Charlotte St		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/07/2000
Field Location:	MW-13	**Date Received:**	12/08/2000
Field ID No:	2412-08	**Date Analyzed:**	12/15/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Light Weight PHC*	2,040	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit
The chromatogram did not clearly match available references for positive ID
The sample hydrocarbons showed characteristics of gasoline and/or mineral spirits.

Approved By: _____
Laboratory Director

File ID: 002850P7.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10091
Client Job Site:	14-60 Charlotte St		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/06/2000
Field Location:	MW-14	**Date Received:**	12/08/2000
Field ID No:	2412-09	**Date Analyzed:**	12/15/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Petroleum Hydrocarbon	BDL	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002850P8.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
Client Job Site:	14-60 Charlotte St	**Lab Sample No.:**	10083
Client Job No.:	2412S-00	**Sample Type:**	Water
Field Location:	MW-1	**Date Sampled:**	12/08/00
		Date Received:	12/08/00
Field ID No.:	2412-01	**Date Analyzed:**	12/14/00

VOLATILE HALOCARBONS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	15.6
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Vinyl Chloride	ND< 2.00

VOLATILE AROMATICS	RESULTS (ug/L)
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p - Xylene	ND< 2.00
o - Xylene	ND< 2.00
Styrene	ND< 2.00
Ketones	
Acetone	ND< 10.0
Vinyl acetate	ND< 5.00
2-Butanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
2-Hexanone	ND< 5.00
Carbon disulfide	ND< 2.00

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water
(Additional EPA 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10083
Client Job Site:	14-60 Charlotte St.		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/08/00
Field Location:	MW-1	**Date Received:**	12/08/00
Field ID No.:	2412-01	**Date Analyzed:**	12/14/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 2.00
Isopropylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	ND< 5.00

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
Client Job Site:	14-60 Charlotte St	**Lab Sample No.:**	10084
Client Job No.:	2412S-00	**Sample Type:**	Water
Field Location:	MW-5	**Date Sampled:**	12/08/00
		Date Received:	12/08/00
Field ID No.:	2412-02	**Date Analyzed:**	12/14/00

VOLATILE HALOCARBONS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Vinyl Chloride	ND< 2.00

VOLATILE AROMATICS	RESULTS (ug/L)
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p - Xylene	4.08
o - Xylene	ND< 2.00
Styrene	ND< 2.00
Ketones	
Acetone	ND< 10.0
Vinyl acetate	ND< 5.00
2-Butanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
2-Hexanone	ND< 5.00
Carbon disulfide	ND< 2.00

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water (Additional EPA 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10084
Client Job Site:	14-60 Charlotte St.		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/08/00
Field Location:	MW-5	**Date Received:**	12/08/00
Field ID No.:	2412-02	**Date Analyzed:**	12/14/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 2.00
Isopropylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	4.46
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	15.5
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	ND< 5.00

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
Client Job Site:	14-60 Charlotte St	**Lab Sample No.:**	10085
Client Job No.:	2412S-00	**Sample Type:**	Water
Field Location:	MW-6	**Date Sampled:**	12/06/00
		Date Received:	12/08/00
Field ID No.:	2412-03	**Date Analyzed:**	12/14/00

VOLATILE HALOCARBONS	RESULTS (ug/L)
Bromodichloromethane	ND< 20.0
Bromomethane	ND< 20.0
Bromoform	ND< 20.0
Carbon tetrachloride	ND< 20.0
Chloroethane	ND< 20.0
Chloromethane	ND< 20.0
2-Chloroethyl vinyl ether	ND< 20.0
Chloroform	ND< 20.0
Dibromochloromethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0
1,2-Dichloroethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0
cis-1,2-Dichloroethene	ND< 20.0
trans-1,2-Dichloroethene	ND< 20.0
1,2-Dichloropropane	ND< 20.0
cis-1,3-Dichloropropene	ND< 20.0
trans-1,3-Dichloropropene	ND< 20.0
Methylene chloride	128
1,1,2,2-Tetrachloroethane	ND< 20.0
Tetrachloroethene	ND< 20.0
1,1,1-Trichloroethane	ND< 20.0
1,1,2-Trichloroethane	ND< 20.0
Trichloroethene	ND< 20.0
Vinyl Chloride	ND< 20.0

VOLATILE AROMATICS	RESULTS (ug/L)
Benzene	92.5
Chlorobenzene	ND< 20.0
Ethylbenzene	669
Toluene	319
m,p - Xylene	1,520
o - Xylene	147
Styrene	ND< 20.0
Ketones	
Acetone	ND< 100
Vinyl acetate	ND< 50.0
2-Butanone	ND< 50.0
4-Methyl-2-pentanone	ND< 50.0
2-Hexanone	ND< 50.0
Carbon disulfide	ND< 20.0

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water
(Additional EPA 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10085
Client Job Site:	14-60 Charlotte St.		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/08/00
Field Location:	MW-6	**Date Received:**	12/08/00
Field ID No.:	2412-03	**Date Analyzed:**	12/14/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 20.0
Isopropylbenzene	58.3
n-Propylbenzene	80.0
1,3,5-Trimethylbenzene	435
tert-Butylbenzene	ND< 20.0
1,2,4-Trimethylbenzene	1,690
sec-Butylbenzene	ND< 20.0
p-Isopropyltoluene	30.4
n-Butylbenzene	ND< 20.0
Naphthalene	199

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
Client Job Site:	14-60 Charlotte St	**Lab Sample No.:**	10086
Client Job No.:	2412S-00	**Sample Type:**	Water
Field Location:	MW-7	**Date Sampled:**	12/06/00
		Date Received:	12/08/00
Field ID No.:	2412-04	**Date Analyzed:**	12/14/00

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 20.0	Benzene	63.0
Bromomethane	ND< 20.0	Chlorobenzene	ND< 20.0
Bromoform	ND< 20.0	Ethylbenzene	158
Carbon tetrachloride	ND< 20.0	Toluene	ND< 20.0
Chloroethane	ND< 20.0	m,p - Xylene	412
Chloromethane	ND< 20.0	o - Xylene	193
2-Chloroethyl vinyl ether	ND< 20.0	Styrene	ND< 20.0
Chloroform	ND< 20.0		
Dibromochloromethane	ND< 20.0		
1,1-Dichloroethane	ND< 20.0		
1,2-Dichloroethane	ND< 20.0		
1,1-Dichloroethene	ND< 20.0		
cis-1,2-Dichloroethene	ND< 20.0		
trans-1,2-Dichloroethene	ND< 20.0		
1,2-Dichloropropane	ND< 20.0		
cis-1,3-Dichloropropene	ND< 20.0	**Ketones**	
trans-1,3-Dichloropropene	ND< 20.0	Acetone	ND< 100
Methylene chloride	ND< 50.0	Vinyl acetate	ND< 50.0
1,1,2,2-Tetrachloroethane	ND< 20.0	2-Butanone	ND< 50.0
Tetrachloroethene	ND< 20.0	4-Methyl-2-pentanone	ND< 50.0
1,1,1-Trichloroethane	ND< 20.0	2-Hexanone	ND< 50.0
1,1,2-Trichloroethane	ND< 20.0		
Trichloroethene	ND< 20.0	Carbon disulfide	ND< 20.0
Vinyl Chloride	ND< 20.0		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water
(Additional EPA 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10086
Client Job Site:	14-60 Charlotte St.		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/08/00
Field Location:	MW-7	**Date Received:**	12/08/00
Field ID No.:	2412-04	**Date Analyzed:**	12/14/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 20.0
Isopropylbenzene	57.5
n-Propylbenzene	104
1,3,5-Trimethylbenzene	325
tert-Butylbenzene	ND< 20.0
1,2,4-Trimethylbenzene	1,460
sec-Butylbenzene	83.2
p-Isopropyltoluene	238
n-Butylbenzene	ND< 20.0
Naphthalene	2,230

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
Client Job Site:	14-60 Charlotte St	**Lab Sample No.:**	10087
Client Job No.:	2412S-00	**Sample Type:**	Water
Field Location:	MW-10	**Date Sampled:**	12/07/00
		Date Received:	12/08/00
Field ID No.:	2412-05	**Date Analyzed:**	12/15/00

VOLATILE HALOCARBONS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Vinyl Chloride	ND< 2.00

VOLATILE AROMATICS	RESULTS (ug/L)
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p - Xylene	ND< 2.00
o - Xylene	ND< 2.00
Styrene	ND< 2.00
Ketones	
Acetone	ND< 10.0
Vinyl acetate	ND< 5.00
2-Butanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
2-Hexanone	ND< 5.00
Carbon disulfide	ND< 2.00

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water
(Additional EPA 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10087
Client Job Site:	14-60 Charlotte St.		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/08/00
Field Location:	MW-10	**Date Received:**	12/08/00
Field ID No.:	2412-05	**Date Analyzed:**	12/15/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 2.00
Isopropylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	ND< 5.00

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
Client Job Site:	14-60 Charlotte St	**Lab Sample No.:**	10088
Client Job No.:	2412S-00	**Sample Type:**	Water
Field Location:	MW-11	**Date Sampled:**	12/07/00
		Date Received:	12/08/00
Field ID No.:	2412-06	**Date Analyzed:**	12/14/00

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00	Benzene	ND< 0.700
Bromomethane	ND< 2.00	Chlorobenzene	ND< 2.00
Bromoform	ND< 2.00	Ethylbenzene	ND< 2.00
Carbon tetrachloride	ND< 2.00	Toluene	ND< 2.00
Chloroethane	ND< 2.00	m,p - Xylene	ND< 2.00
Chloromethane	ND< 2.00	o - Xylene	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00	Styrene	ND< 2.00
Chloroform	ND< 2.00		
Dibromochloromethane	ND< 2.00		
1,1-Dichloroethane	ND< 2.00		
1,2-Dichloroethane	ND< 2.00		
1,1-Dichloroethene	ND< 2.00		
cis-1,2-Dichloroethene	ND< 2.00		
trans-1,2-Dichloroethene	ND< 2.00		
1,2-Dichloropropane	ND< 2.00		
cis-1,3-Dichloropropene	ND< 2.00	**Ketones**	
trans-1,3-Dichloropropene	ND< 2.00	Acetone	ND< 10.0
Methylene chloride	ND< 5.00	Vinyl acetate	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00	2-Butanone	ND< 5.00
Tetrachloroethene	ND< 2.00	4-Methyl-2-pentanone	ND< 5.00
1,1,1-Trichloroethane	ND< 2.00	2-Hexanone	ND< 5.00
1,1,2-Trichloroethane	ND< 2.00		
Trichloroethene	ND< 2.00	Carbon disulfide	ND< 2.00
Vinyl Chloride	ND< 2.00		

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water
(Additional EPA 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10088
Client Job Site:	14-60 Charlotte St.		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/08/00
Field Location:	MW-11	**Date Received:**	12/08/00
Field ID No.:	2412-06	**Date Analyzed:**	12/14/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 2.00
Isopropylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	ND< 5.00

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
Client Job Site:	14-60 Charlotte St	**Lab Sample No.:**	10089
Client Job No.:	2412S-00	**Sample Type:**	Water
Field Location:	MW-12	**Date Sampled:**	12/07/00
		Date Received:	12/08/00
Field ID No.:	2412-07	**Date Analyzed:**	12/14/00

VOLATILE HALOCARBONS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	66.9
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Vinyl Chloride	62.1

VOLATILE AROMATICS	RESULTS (ug/L)
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p - Xylene	ND< 2.00
o - Xylene	ND< 2.00
Styrene	ND< 2.00
Ketones	
Acetone	ND< 10.0
Vinyl acetate	ND< 5.00
2-Butanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
2-Hexanone	ND< 5.00
Carbon disulfide	ND< 2.00

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water
(Additional EPA 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10089
Client Job Site:	14-60 Charlotte St.		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/08/00
Field Location:	MW-12	**Date Received:**	12/08/00
Field ID No.:	2412-07	**Date Analyzed:**	12/14/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 2.00
Isopropylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	ND< 5.00

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

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SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
Client Job Site:	14-60 Charlotte St	**Lab Sample No.:**	10090
Client Job No.:	2412S-00	**Sample Type:**	Water
Field Location:	MW-13	**Date Sampled:**	12/07/00
		Date Received:	12/08/00
Field ID No.:	2412-08	**Date Analyzed:**	12/14/00

VOLATILE HALOCARBONS	RESULTS (ug/L)
Bromodichloromethane	ND< 20.0
Bromomethane	ND< 20.0
Bromoform	ND< 20.0
Carbon tetrachloride	ND< 20.0
Chloroethane	ND< 20.0
Chloromethane	ND< 20.0
2-Chloroethyl vinyl ether	ND< 20.0
Chloroform	ND< 20.0
Dibromochloromethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0
1,2-Dichloroethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0
cis-1,2-Dichloroethene	51.2
trans-1,2-Dichloroethene	ND< 20.0
1,2-Dichloropropane	ND< 20.0
cis-1,3-Dichloropropene	ND< 20.0
trans-1,3-Dichloropropene	ND< 20.0
Methylene chloride	ND< 50.0
1,1,2,2-Tetrachloroethane	ND< 20.0
Tetrachloroethene	ND< 20.0
1,1,1-Trichloroethane	ND< 20.0
1,1,2-Trichloroethane	ND< 20.0
Trichloroethene	ND< 20.0
Vinyl Chloride	22.5

VOLATILE AROMATICS	RESULTS (ug/L)
Benzene	ND< 7.00
Chlorobenzene	ND< 20.0
Ethylbenzene	ND< 20.0
Toluene	ND< 20.0
m,p - Xylene	ND< 20.0
o - Xylene	ND< 20.0
Styrene	ND< 20.0
Ketones	
Acetone	ND< 100
Vinyl acetate	ND< 50.0
2-Butanone	ND< 50.0
4-Methyl-2-pentanone	ND< 50.0
2-Hexanone	ND< 50.0
Carbon disulfide	ND< 20.0

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water
(Additional EPA 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10090
Client Job Site:	14-60 Charlotte St.		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/08/00
Field Location:	MW-13	**Date Received:**	12/08/00
Field ID No.:	2412-08	**Date Analyzed:**	12/14/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 20.0
Isopropylbenzene	ND< 20.0
n-Propylbenzene	ND< 20.0
1,3,5-Trimethylbenzene	ND< 20.0
tert-Butylbenzene	ND< 20.0
1,2,4-Trimethylbenzene	670
sec-Butylbenzene	ND< 20.0
p-Isopropyltoluene	ND< 20.0
n-Butylbenzene	ND< 20.0
Naphthalene	ND< 50.0

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	**Lab Project No.:**	00-2850
Client Job Site:	14-60 Charlotte St	**Lab Sample No.:**	10091
Client Job No.:	2412S-00	**Sample Type:**	Water
Field Location:	MW-14	**Date Sampled:**	12/06/00
		Date Received:	12/08/00
Field ID No.:	2412-09	**Date Analyzed:**	12/14/00

VOLATILE HALOCARBONS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00
Chloroform	17.8
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Vinyl Chloride	ND< 2.00

VOLATILE AROMATICS	RESULTS (ug/L)
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p - Xylene	ND< 2.00
o - Xylene	ND< 2.00
Styrene	ND< 2.00
Ketones	
Acetone	ND< 10.0
Vinyl acetate	ND< 5.00
2-Butanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
2-Hexanone	ND< 5.00
Carbon disulfide	ND< 2.00

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water
(Additional EPA 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2850
		Lab Sample No.:	10091
Client Job Site:	14-60 Charlotte St.		
		Sample Type:	Water
Client Job No.:	2412S-00		
		Date Sampled:	12/08/00
Field Location:	MW-14	**Date Received:**	12/08/00
Field ID No.:	2412-09	**Date Analyzed:**	12/14/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 2.00
Isopropylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	ND< 5.00

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: DAY ENVIRONMENTAL	COMPANY: SAME	LAB PROJECT #: 00-2850 / CLIENT PROJECT #: 2412S-00
ADDRESS: 2144 BAILE RD	ADDRESS:	
CITY: ROCHESTER STATE: NY ZIP: 14623	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: 716-292-1090 FAX: 716-292-0425	PHONE: FAX:	STD / OTHER
ATTN: JEFF DANZINGER	ATTN:	1 2 3 X 5
COMMENTS:		

PROJECT NAME/SITE NAME: 14-60 CHARLOTTE ST

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TPH 310.13	8260 TCL/STARS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	12/8/00	0905	1140	X	MW-1 / 2412-01	GW	3	X	X		100883
2	12/8/00	1030		X	MW-5 / 2412-02	GW	3	X	X		100884
3	12/6/00	1630		X	MW-6 / 2412-03	GW	3	X	X		100885
4	12/6/00	1615		X	MW-7 / 2412-04	GW	3	X	X		100886
5	12/7/00	0910		X	MW-10 / 2412-05	GW	3	X	X		100887
6	12/7/00	0920		X	MW-11 / 2412-06	GW	3	X	X		100888
7	12/7/00	0830		X	MW-12 / 2412-07	GW	3	X	X		100889
8	12/7/00	0850		X	MW-13 / 2412-08	GW	3	X	X		100890
9	12/6/00	1640		X	MW-14 / 2412-09	GW	3	X	X		100891
10											

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: PRESERVATIONS: HOLDING TIME: TEMPERATURE:

Sampled By: [signature] Date/Time: 12/8/00

Relinquished By: [signature] Date/Time: 12/8/00

Received By: Date/Time:

Relinquished By: [signature] Date/Time: 12/8/00, 13:40

Received By: Date/Time:

Received @ Lab By: Date/Time:

Total Cost:

P.I.F.

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SERVICES, INC.

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Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	**Lab Project No.:**	00-2865
Client Job Site:	14-60 Charlotte St	**Lab Sample No.:**	10143
Client Job No.:	2412S-00	**Sample Type:**	Water
Field Location:	MW-4	**Date Sampled:**	12/11/00
		Date Received:	12/11/00
Field ID No.:	2412S-010	**Date Analyzed:**	12/15/00

VOLATILE HALOCARBONS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Vinyl Chloride	ND< 2.00

VOLATILE AROMATICS	RESULTS (ug/L)
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p - Xylene	ND< 2.00
o - Xylene	ND< 2.00
Styrene	ND< 2.00
Ketones	
Acetone	ND< 10.0
Vinyl acetate	ND< 5.00
2-Butanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
2-Hexanone	ND< 5.00
Carbon disulfide	ND< 2.00

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
For: Laboratory Director

002865V1.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water
(Additional EPA 8260 Compounds)

Client:	Day Environmental	**Lab Project No.:**	00-2865
		Lab Sample No.:	10143
Client Job Site:	14-60 Charlotte St	**Sample Type:**	Water
Client Job No.:	2412S-00	**Date Sampled:**	12/11/00
		Date Received:	12/11/00
Field Location:	MW-4	**Date Analyzed:**	12/15/00
Field ID No.:	2412S-010		

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 2.00
Isopropylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	ND< 5.00

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____ Laboratory Director
FOR:

PARADIGM
Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Day Environmental	**Lab Project No.:**	00-2865
		Lab Sample No.:	10143
Client Job Site:	14-60 Charlotte St	**Sample Type:**	Water
Client Job No.:	2412S-00	**Date Sampled:**	12/11/2000
Field Location:	MW-4	**Date Received:**	12/11/2000
Field ID No:	2412S-010	**Date Analyzed:**	12/15/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Petroleum Hydrocarbon	BDL	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: Laboratory Director

File ID: 002865P1.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:

COMPANY: DAY ENVIRONMENTAL
ADDRESS: 2144 BHTL RD.
CITY: ROCHESTER STATE: NY ZIP: 14623
PHONE: 716-292-1090 FAX: 716-292-0425
ATTN: JEFF DANZINGER
COMMENTS:

INVOICE TO:

COMPANY: SAME
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 00-2865
CLIENT PROJECT #: 24125-00

TURNAROUND TIME: (WORKING DAYS)

STD [X] 5 OTHER [ ] 1 [ ] 2 [ ] 3

PROJECT NAME/SITE NAME: 14-60 CHARLOTTE ST

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TPH 310.13	8240 TCL + STARS								REMARKS	PARADIGM LAB SAMPLE NUMBER
1	12/11/00	1220 1310		X	MW-4/24125-010	GW	3	X	X									10143
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: [ ] PRESERVATIONS: [ ] HOLDING TIME: [ ] TEMPERATURE: [ ]

Sampled By: Jason Farrell Date/Time: 12/11/00

Relinquished By: Jason Farrell Date/Time: 12/11/00 1330

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Received @ Lab By: L. Bothel Date/Time: 12/11/00 13:30

Total Cost:

P.I.F.